5

APPENDIX

Program Listing Pages 1-162

```
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Option Explicit

Private mstrFullName As String
Private mstrAbrvName As String
Private mstrFullNameTrim As String
Private mstrAbrvNameTrim As String

Property Get FullName() As String
    FullName = mstrFullName
End Property

Property Let FullName(ByVal Source As String)
    mstrFullName = Source
    mstrFullNameTrim = SuperTrim(Source)
End Property

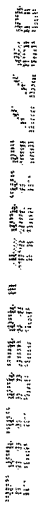
Property Get FullNameTrim() As String
    FullNameTrim = mstrFullNameTrim
End Property

Property Get AbrvName() As String
    AbrvName = mstrAbrvName
End Property

Property Let AbrvName(ByVal Source As String)
    mstrAbrvName = Source
    mstrAbrvNameTrim = SuperTrim(Source)
End Property

Property Get AbrvNameTrim() As String
    AbrvNameTrim = mstrAbrvNameTrim
End Property

Public Function HasAbbreviation() As Boolean
    If mstrFullName <> mstrAbrvName Then HasAbbreviation = True
End Function
```



```
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Option Explicit

Private mcolAbbreviations As Collection

Public Enum bcAbbreviationType
    Table6
    Table10
    All
End Enum

Private Sub Class_Initialize()
    Set mcolAbbreviations = New Collection
End Sub

Public Function Count() As Long
    Count = mcolAbbreviations.Count
End Function

Public Function Item(Index As Variant) As cAbbreviation
    Set Item = mcolAbbreviations.Item(Index)
End Function

Public Function NewEnum() As IUnknown
    Set NewEnum = mcolAbbreviations.[_NewEnum]
End Function

Public Sub LoadData(Source As bcAbbreviationType)

    If Source = Table6 Or Source = All Then
        Add "Administrative", "Admin."
        Add "Administration", "Admin."
        Add "Administrations", "Admins."
        Add "Administrator", "Adm'r"
        Add "Administrators", "Adm'rs"
        Add "Administratrix", "Adm'x"
        Add "Administratrixes", "Adm'xs"
        Add "Advertising", "Adver."
        Add "Agriculture", "Agric."
        Add "Agricultural", "Argic."
        Add "America", "Am."
        Add "Americas", "Ams."
        Add "American", "Am."
        Add "Americans", "Ams."
        Add "Associate", "Assoc."
        Add "Associates", "Assocs."
        Add "Association", "Ass'n"
        Add "Associations", "Ass'ns"
        Add "Atlantic", "Atl."
        Add "Authority", "Auth."
        Add "Authorities", "Auths."
        Add "Automobile", "Auto."
        Add "Automobiles", "Autos."
        Add "Avenue", "Ave."
        Add "Avenues", "Aves."
        Add "Bankruptcy", "Bankr."
        Add "Bankruptcies", "Bankrs."
        Add "Board", "Bd."
        Add "Broadcast", "Broad."
        Add "Broadcasts", "Broads."
        Add "Broadcasting", "Broad."
        Add "Brotherhood", "Bhd."
        Add "Brotherhoods", "Bhds."
        Add "Brothers", "Bros."
        Add "Building", "Bldg."
        Add "Buildings", "Bldgs."
        Add "Business", "Bus."
        Add "Casualty", "Cas."
        Add "Center", "Ctr."
        Add "Centers", "Ctrs."
        Add "Centre", "Ctr."
        Add "Centres", "Ctrs."
        Add "Central", "Cent."
        Add "Chemical", "Chem."
        Add "Chemicals", "Chems."
        Add "Commission", "Comm'n"
        Add "Commissioner", "Comm'r"
        Add "Committee", "Comm."
        Add "Committees", "Comms."
        Add "Company", "Co."
        Add "Companies", "Cos."
        Add "Consolidated", "Consol."
        Add "Construction", "Constr."
        Add "Cooperative", "Coop."
        Add "Cooperatives", "Coops."
        Add "Corporation", "Corp."
        Add "Corporation", "Corps."
        Add "Department", "Dep't"
        Add "Departments", "Dep'ts"
        Add "Developer", "Dev."
        Add "Development", "Dev."
        Add "Developers", "Devs."
        Add "Director", "Dir."
        Add "Directors", "Dirs."
        Add "Distributor", "Distrib."
        Add "Distributors", "Distribs."
        Add "Distributing", "Distrib."
        Add "District", "Dist."
        Add "Districts", "Dists."
        Add "Division", "Div."
```

```
        Add "Divisions", "Divs."
        Add "East", "E."
        Add "Eastern", "E."
        Add "Economic", "Econ."
        Add "Economical", "Econ."
        Add "Economy", "Econ."
        Add "Economies", "Econs."
        Add "Education", "Educ."
        Add "Educational", "Educ."
        Add "Electric", "Elec."
        Add "Electrical", "Elec."
        Add "Electricity", "Elec."
        Add "Electronic", "Elec."
        Add "Electronics", "Elecs."
        Add "Engineer", "Eng'r"
        Add "Engineers", "Eng'rs"
        Add "Engineering", "Eng'g"
        Add "Enterprise", "Enter."
        Add "Enterprises", "Enters."
        Add "Environment", "Env't"
        Add "Environments", "Env'ts"
        Add "Environmental", "Envtl."
        Add "Equality", "Equal."
        Add "Equipment", "Equip."
        Add "Equipments", "Equips."
        Add "Examiner", "Exam'r"
        Add "Examiners", "Exam'rs"
        Add "Exchange", "Exch."
        Add "Exchanges", "Exchs."
        Add "Executor", "Ex'r"
        Add "Executors", "Ex'rs"
        Add "Executrix", "Ex'x"
        Add "Executrixes", "Ex'xs"
        Add "Federal", "Fed."
        Add "Federation", "Fed'n"
        Add "Federations", "Fed'ns"
        Add "Finance", "Fin."
        Add "Finances", "Fins."
        Add "Financial", "Fin."
        Add "Financing", "Fin."
        Add "Foundation", "Found."
        Add "Foundations", "Founds."
        Add "General", "Gen."
        Add "Generals", "Gens."
        Add "Guaranty", "Guar."
        Add "Guaranties", "Guars."
        Add "Hospital", "Hosp."
        Add "Hospitals", "Hosps."
        Add "Housing", "Hous."
        Add "Incorporated", "Inc."
        Add "Indemnity", "Indem."
        Add "Indemnities", "Indems."
        Add "Independent", "Indep."
        Add "Industry", "Indus."
        Add "Industries", "Indus."
        Add "Industrial", "Indus."
        Add "Information", "Info."
        Add "Institute", "Inst."
        Add "Institutes", "Insts."
        Add "Institution", "Inst."
        Add "Institutions", "Insts."
        Add "Insurance", "Ins."
        Add "International", "Int'l"
        Add "Internationals", "Int'ls"
        Add "Investment", "Inv."
        Add "Investments", "Inv."
        Add "Laboratory", "Lab."
        Add "Laboratories", "Lab."
        Add "Liability", "Liab."
        Add "Liabilities", "Liabs."
        Add "Limited", "Ltd."
        Add "Litigation", "Litig."
        Add "Machine", "Mach."
        Add "Machines", "Machs."
        Add "Machinery", "Mach."
        Add "Manufacturer", "Mfr."
        Add "Manufacturers", "Mfrs."
        Add "Manufacturing", "Mfg."
        Add "Market", "Mkt."
        Add "Markets", "Mkts."
        Add "Marketing", "Mktg."
        Add "Medical", "Med."
        Add "Medicine", "Med."
        Add "Medicines", "Meds."
        Add "Memorial", "Mem'l"
        Add "Memorials", "Mem'ls"
        Add "Metropolitan", "Metro."
        Add "Municipal", "Mun."
        Add "Mutual", "Mut."
        Add "National", "Nat'l"
        Add "North", "N."
        Add "Northern", "N."
        Add "Organization", "Org."
        Add "Organizations", "Orgs."
        Add "Organizing", "Org."
        Add "Pacific", "Pac."
        Add "Pharmaceutics", "Pharm."
        Add "Pharmaceutical", "Pharm."
        Add "Product", "Prod."
        Add "Products", "Prods."
        Add "Production", "Prod."
```

```
        Add "Productions", "Prods."
        Add "Professional", "Prof'l"
        Add "Professionals", "Prof'ls"
        Add "Public", "Pub."
        Add "Publishing", "Publ'g"
        Add "Railroad", "R.R."
        Add "Railroads", "R.Rs."
        Add "Railway", "Ry."
        Add "Railways", "Rys."
        Add "Refining", "Ref."
        Add "Regional", "Reg'l"
        Add "Reproduction", "Reprod."
        Add "Reproductions", "Reprods."
        Add "Reproductive", "Reprod."
        Add "Road", "Rd."
        Add "Roads", "Rds."
        Add "Savings", "Sav."
        Add "School", "Sch."
        Add "Schools", "Sch."
        Add "Security", "Sec."
        Add "Securities", "Sec."
        Add "Service", "Serv."
        Add "Services", "Servs."
        Add "Social", "Soc."
        Add "Socials", "Socs."
        Add "Society", "Soc'y"
        Add "Societies", "Soc'ys"
        Add "South", "S."
        Add "Southern", "S."
        Add "Steamship", "S.S."
        Add "Steamships", "S.S."
        Add "Street", "St."
        Add "Streets", "Sts."
        Add "Subcommittee", "Subcomm."
        Add "Subcommittees", "Subcomms."
        Add "Surety", "Sur."
        Add "Sureties", "Surs."
        Add "System", "Sys."
        Add "Systems", "Sys."
        Add "Technology", "Tech."
        Add "Technologies", "Techs."
        Add "Telecommunication", "Telecomm."
        Add "Telecommunications", "Telecomms."
        Add "Telephone", "Tel."
        Add "Telephones", "Tels."
        Add "Telegraph", "Tel."
        Add "Telegraphs", "Tels."
        Add "Temporary", "Temp"
        Add "Transcontinental", "Transcon."
        Add "Transport", "Transp."
        Add "Transports", "Transps."
        Add "Transportation", "Transp."
        Add "Uniform", "Unif."
        Add "Uniforms", "Unifs."
        Add "University", "Univ."
        Add "Universities", "Univs."
        Add "Utility", "Util."
        Add "Utilities", "Utils."
        Add "West", "W."
        Add "Western", "W."

    End If

    If Source = Table10 Or Source = All Then

        Add "Alabama", "Ala."
        Add "Alaska", "Alaska"
        Add "American Samoa", "Am. Sam."
        Add "Arizona", "Ariz."
        Add "Arkansas", "Ark."
        Add "California", "Cal."
        Add "Canal Zone", "C.Z."
        Add "Colorado", "Colo."
        Add "Connecticut", "Conn."
        Add "Delaware", "Del."
        Add "District of Columbia", "D.C."
        Add "Florida", "Fla."
        Add "Georgia", "Ga."
        Add "Guam", "Guam"
        Add "Hawaii", "Haw."
        Add "Idaho", "Idaho"
        Add "Illinois", "Ill."
        Add "Indiana", "Ind."
        Add "Iowa", "Iowa"
        Add "Kansas", "Kan."
        Add "Kentucky", "Ky."
        Add "Los Angeles", "L.A."
        Add "Louisiana", "La."
        Add "Maine", "Me."
        Add "Maryland", "Md."
        Add "Massachusetts", "Mass."
        Add "Michigan", "Mich."
        Add "Minnesota", "Minn."
        Add "Mississippi", "Miss."
        Add "Missouri", "Mo."
        Add "Montana", "Mont."
        Add "Nebraska", "Neb."
        Add "Nevada", "Nev."
        Add "New Hampshire", "N.H."
        Add "New Jersey", "N.J."
        Add "New Mexico", "N.M."
```

```
Add "New York", "N.Y."
Add "North Carolina", "N.C."
Add "North Dakota", "N.D."
Add "Northern Mariana Islands", "N. Mar. I."
Add "Ohio", "Ohio"
Add "Oklahoma", "Okla."
Add "Oregon", "Or."
Add "Pennsylvania", "Pa."
Add "Philadelphia", "Phila."
Add "Puerto Rico", "P.R."
Add "Rhode Island", "R.I."
Add "South Carolina", "S.C."
Add "South Dakota", "S.D."
Add "Tennessee", "Tenn."
Add "Texas", "Tex."
Add "Utah", "Utah"
Add "Vermont", "Vt."
Add "Virgin Islands", "V.I."
Add "Virginia", "Va."
Add "Washington", "Wash."
Add "West Virginia", "W. Va."
Add "Wisconsin", "Wis."
Add "Wyoming", "Wyo."
Add "New South Wales", "N.S.W."
Add "Queensland", "Queensl."
Add "South Australia", "S. Austrl."
Add "Tasmania", "Tas."
Add "Victoria", "Vict."
Add "West Australia", "W. Austrl."
Add "Alberta", "Alta."
Add "British Columbia", "B.S."
Add "Manitoba", "Man."
Add "New Brunswick", "N.B."
Add "Newfoundland", "Nfld."
Add "Northwest Territories", "N.W.T."
Add "Nova Scotia", "N.S."
Add "Ontario", "Ont."
Add "Prince Edward Island", "P.E.I"
Add "Québec", "Que."
Add "Saskatchewan", "Sask."
Add "Yukon", "Yuokn"
Add "Afghanistan", "Afg."
Add "Africa", "Afr."
Add "Albania", "Alb."
Add "Algeria", "Alg."
Add "Andorra", "Andorra"
Add "Angola", "Angl."
Add "Anguilla", "Anguilla"
Add "Antigua & Barbuda", "Ant. & Barb."
Add "Argentina", "Arg."
Add "Armenia", "Arm."
Add "Australia", "Austl."
Add "Austria", "Aus."
Add "Azerbaijan", "Azer."
Add "Bahamas", "Bah."
Add "Bahrain", "Bahr."
Add "Bangladesh", "Bangl."
Add "Barbados", "Barb."
Add "Belarus", "Belr."
Add "Belgium", "Belg."
Add "Belize", "Belize"
Add "Benin", "Benin"
Add "Bermuda", "Berm."
Add "Bhutan", "Bhutan"
Add "Bolivia", "Bol."
Add "Bosnia & Herzegovina", "Bosn. & Herz."
Add "Botswana", "Bots."
Add "Brazil", "Braz."
Add "Brunei", "Brunei"
Add "Bulgaria", "Bulg."
Add "Burkina Faso", "Burk. Faso"
Add "Burundi", "Burundi"
Add "Cambodia", "Cambodia"
Add "Cameroon", "Cameroon"
Add "Canada", "Can."
Add "Cape Verde", "Cape Verde"
Add "Cayman Islands", "Cayman Is."
Add "Central African Republic", "Cent. Afr. Rep."
Add "Chad", "Chad"
Add "Chile", "Chile"
Add "People's Republic of China", "P.R.C."
Add "Colombia", "Colom."
Add "Comoros", "Comoros"
Add "Congo", "Congo"
Add "Costa Rica", "Costa Rica"
Add "Côte d'Ivoire", "Côte d'Ivoire"
Add "Croatia", "Croat."
Add "Cuba", "Cuba"
Add "Cyprus", "Cyprus"
Add "Czech Republic", "Czech Rep."
Add "Denmark", "Den."
Add "Djibouti", "Djib."
Add "Dominica", "Dominica"
Add "Dominican Republic", "Dom. Rep."
Add "Ecuador", "Ecuador"
Add "Egypt", "Egypt"
Add "El Salvador", "El Sal."
Add "England", "Eng."
Add "Equatorial Guinea", "Eq. Guinea"
Add "Eritrea", "Eri."
Add "Estonia", "Est."
```

```
        Add "Ethiopia", "Eth."
        Add "Europe", "Eur."
        Add "Falkland Islands", "Falkland Is."
        Add "Fiji", "Fiji"
        Add "Finland", "Fin."
        Add "France", "Fr."
        Add "Cabon", "Gabon"
        Add "Gambia", "Gam."
        Add "Georgia", "Geor."
        Add "Germany", "F.R.G."
        Add "Federal Republic of Germany", "F.R.G."
        Add "Ghana", "Ghana"
        Add "Gilbraltar", "Gib."
        Add "Great Britain", "Gr. Brit."
        Add "Greece", "Greece"
        Add "Grenada", "Gren."
        Add "Guatemala", "Guat."
        Add "Guinea", "Guinea"
        Add "Guinea-Bissau", "Guinea-Bissau"
        Add "Guyana", "Guy."
        Add "Haiti", "Haiti"
        Add "Honduras", "Hond."
        Add "Hong Kong", "H.K."
        Add "Hungary", "Hung."
        Add "Iceland", "Ice."
        Add "India", "India"
        Add "Indonesia", "Indon."
        Add "Iran", "Iran"
        Add "Iraq", "Iraq"
        Add "Ireland", "Ir."
        Add "Israel", "Isr."
        Add "Italy", "Italy"
        Add "Jamaica", "Jam."
        Add "Japan", "Japan"
        Add "Jordan", "Jordan"
        Add "Kazakhstan", "Kaz."
        Add "Kenya", "Kenya"
        Add "Kiribati", "Kiribati"
        Add "Kuwait", "Kuwait"
        Add "Kyrgyzstan", "Kyrg."
        Add "Laos", "Laos"
        Add "Latvia", "Lat."
        Add "Lebanon", "Leb."
        Add "Lesotho", "Lesotho"
        Add "Liberia", "Liber."
        Add "Libya", "Libya"
        Add "Liechtenstein", "Liech."
        Add "Lituania", "Lith."
        Add "Macedonia", "Maced."
        Add "Madagascar", "Madag."
        Add "Malawi", "Malawi"
        Add "Malaysia", "Malay."
        Add "Maldives", "Maldives"
        Add "Mali", "Mali"
        Add "Malta", "Malta"
        Add "Marshall Islands", "Marsh. Is."
        Add "Mauritania", "Mauritania"
        Add "Mauritius", "Mauritius"
        Add "Mexico", "Mex."
        Add "Micronesia", "Micr."
        Add "Moldova", "Mold."
        Add "Monaco", "Monaco"
        Add "Mongolia", "Mong."
        Add "Montserrat", "Montserrat"
        Add "Morocco", "Morocco"
        Add "Mozanbique", "Mozam."
        Add "Myanmar", "Myan."
        Add "Namibia", "Namib."
        Add "Mauru", "Mauru"
        Add "Nepal", "Nepal"
        Add "Netherlands", "Neth."
        Add "New Zealand", "N.Z."
        Add "Nicaragua", "Nicar."
        Add "Niger", "Niger"
        Add "Nigeria", "Nig."
        Add "North America", "N. Am."
        Add "Northern Ireland", "N. Ir."
        Add "North Korea", "N. Korea"
        Add "Norway", "Nor."
        Add "Oman", "Oman"
        Add "Pakistan", "Pak."
        Add "Panama", "Pan."
        Add "Papua New Guinea", "Papua N.G."
        Add "Paraguay", "Para."
        Add "Peru", "Peru"
        Add "Philippines", "Phil."
        Add "Pitcairn Island", "Pitcairn Is."
        Add "Poland", "Pol."
        Add "Portugal", "Port."
        Add "Qatar", "Qatar"
        Add "Romania", "Rom."
        Add "Russia", "Russ."
        Add "Rwanda", "Rwanda"
        Add "St. Kitts & Nevis", "St. Kitts & Nevis"
        Add "St. Helena", "St. Helena"
        Add "St. Lucia", "St. Lucia"
        Add "St. Vincent & the Grenadines", "St. Vincent"
        Add "San Marino", "San Marino"
        Add "São Tomé and Príncipe", "São Tomé & Príncipe"
        Add "Saudi Arabia", "Saudi Arabia"
        Add "Scotland", "Scot."
```

```
        Add "Senegal", "Sen."
        Add "Seychelles", "Sey."
        Add "Sierra Leone", "Sierra Leone"
        Add "Singapore", "Sing."
        Add "Slovakia", "Slovk."
        Add "Slovenia", "Slovn."
        Add "Solomo Islands", "Solom. Is."
        Add "Somalia", "Somal."
        Add "South Africa", "S. Afr."
        Add "South Korea", "S. Korea"
        Add "Spain", "Spain"
        Add "Sri Lanka", "Sri Lanka"
        Add "Sudan", "Sudan"
        Add "Suriname", "Surin."
        Add "Swaziland", "Swaz."
        Add "Sweden", "Swed."
        Add "Switzerland", "Switz."
        Add "Syria", "Syria"
        Add "Taiwan", "Taiwan"
        Add "Tajikistan", "Taj."
        Add "Thailand", "Thail."
        Add "Togo", "Togo"
        Add "Tonga", "Tonga"
        Add "Trinidad and Tobago", "Trin. & Tobago"
        Add "Tunisia", "Tunis."
        Add "Turkey", "Turk."
        Add "Turkmenistan", "Turkm."
        Add "Turks and Caicos Islands", "Turks & Caicos Is."
        Add "Tuvalu", "Tuvalu"
        Add "Uganda", "Uganda"
        Add "Ukraine", "Ukr."
        Add "United Arab Emirates", "U.A.E."
        Add "United Kingdom", "U.K."
        Add "United States", "U.S."
        Add "Uruguay", "Uru."
        Add "Uzbekistan", "Uzb."
        Add "Vanuatu", "Vanuatu"
        Add "Vatican City", "Vatican"
        Add "Venezuela", "Venez."
        Add "Vietnam", "Vietnam"
        Add "Brittish Virgin Islands", "Virgin Is."
        Add "Wales", "Wales"
        Add "Western Samoa", "W. Samoa"
        Add "Yemen", "Yemen"
        Add "Yugoslavia", "Yugo."
        Add "Zaire", "Zaire"
        Add "Zambia", "Zambia"
        Add "Zimbabwe", "Zimb."

    End If

End Sub

Friend Sub Add(FullName As String, AbrvName As String, Optional ByVal Key As Variant)

    Dim bcAbbrNew As cAbbreviation

    Set bcAbbrNew = New cAbbreviation
    With bcAbbrNew
        .FullName = FullName
        .AbrvName = AbrvName
    End With
    mcolAbbreviations.Add bcAbbrNew, Key

End Sub
```

```
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Option Explicit

Private mmswOriginalSelection As Word.Range

Public Sub Start()

    Dim bcCitationBuilder As cCitationBuilder
     Dim bcTimer As New cTimer
    Dim lngStartFrom As Long


    If fOptions.ForCourt = "" Then
        Call ShowOptions
        If fOptions.ForCourt = "" Then Exit Sub
    End If

    Set ErrorForm = New cErrorForm
    Set mmswOriginalSelection = Word.Selection.Range

    Set ActiveDoc = New cDocument
    Call ActiveDoc.Initialize(Word.ActiveDocument)

    lngStartFrom = 1

StartOver:

    ErrorForm.Result = None


    Set bcCitationBuilder = New cCitationBuilder
    Set Citation = bcCitationBuilder.NextCitationFromWord(lngStartFrom)

    Do While Not (Citation Is Nothing)

        Call CheckCaseName
        If ErrorForm.Result = Cancel Then GoTo Cancel Else If ErrorForm.Result = Change Then GoTo StartOver

        Call CheckReporter
        If ErrorForm.Result = Cancel Then GoTo Cancel Else If ErrorForm.Result = Change Then GoTo StartOver

        Call CheckEditor
        If ErrorForm.Result = Cancel Then GoTo Cancel Else If ErrorForm.Result = Change Then GoTo StartOver

        Call CheckJurAndCourt
        If ErrorForm.Result = Cancel Then GoTo Cancel Else If ErrorForm.Result = Change Then GoTo StartOver

        Call CheckParallelReporters
        If ErrorForm.Result = Cancel Then GoTo Cancel Else If ErrorForm.Result = Change Then GoTo StartOver

        Call CheckDate
        If ErrorForm.Result = Cancel Then GoTo Cancel Else If ErrorForm.Result = Change Then GoTo StartOver

        Call CheckClauseOrder
        If ErrorForm.Result = Cancel Then GoTo Cancel Else If ErrorForm.Result = Change Then GoTo StartOver

        lngStartFrom = Citation.CitationEnd + 1
        Set Citation = bcCitationBuilder.NextCitationFromWord(lngStartFrom)

    Loop

Cancel:

    Call EndBlueCheck

End Sub

Public Sub ShowOptions()

    fOptions.Show vbModal

End Sub

Public Sub EndBlueCheck()

    Dim strNumberOfChanges As String


    ErrorForm.Hide

    If Not ErrorForm.Result = Cancel Then
        Select Case ErrorForm.ChangesMade
            Case Is = 0
                strNumberOfChanges = "No changes were made."
            Case Is < 13
                strNumberOfChanges = Choose(ErrorForm.ChangesMade, "One change was made.", "Two changes were made.", "Three changes were ma
de.", "Four changes were made.", "Five changes were made.", "Six changes were made.", "Seven changes were made.", "Eight changes were made.
", "Nine changes were made.", "Ten changes were made.", "Eleven changes were made.", "Twelve changes were made.")
            Case Else
                strNumberOfChanges = ErrorForm.ChangesMade & " changes were made."
        End Select
        Call MsgBox("BlueCheck has finished checking this document. " & strNumberOfChanges, vbInformation, "BlueCheck")
    End If

    mmswOriginalSelection.Select

    Clipboard.Clear
    Set ErrorForm = Nothing
```

```
    Set ActiveDoc = Nothing
    Set Citation = Nothing
    Call CloseAllHiddenDocuments

End Sub

Private Sub Class_Initialize()

    If AbrvsTable10 Is Nothing Then
        Set AbrvsTable10 = New cAbbreviations
        AbrvsTable10.LoadData Table10
    End If
    If AbrvsTable6 Is Nothing Then
        Set AbrvsTable6 = New cAbbreviations
        AbrvsTable6.LoadData Table6
    End If
    If AbrvsAll Is Nothing Then
        Set AbrvsAll = New cAbbreviations
        AbrvsAll.LoadData All
    End If

End Sub

Private Sub Class_Terminate()

    Jurisdictions.Cleanup
    Set Jurisdictions = Nothing

End Sub
```

```
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Option Explicit

Private mlngChangesMade As Long

Private mbcBluebookRules As cMessages
Private mbcErrorMessages As cMessages

Private mstrErrorText As String
Private mstrErrorKey As String
Private mlngHighlightStart As Long
Private mlngHighlightEnd As Long

Private mbolErrorDisplayed As Boolean
Private mcolIgnoreRuleList As Collection

Private mbcSuggestion As cSuggestion
Private mfErrorForm As fErrorForm

Friend Property Get Suggestion() As cSuggestion
    Set Suggestion = mbcSuggestion
End Property

Friend Property Get Result() As bcButtonPress
    Result = mfErrorForm.Result
End Property

Friend Property Let Result(Source As bcButtonPress)
    mfErrorForm.Result = Source
End Property

Friend Property Get ChangesMade() As Long
    ChangesMade = mlngChangesMade
End Property

Friend Sub Hide()
    mfErrorForm.Hide
End Sub

Public Sub LoadError(ByVal ErrorKey As String, ByVal HighlightStart As Long, ByVal HighlightEnd As Long, _
Optional ByVal AAA As String, Optional ByVal BBB As String, Optional ByVal CCC As String, Optional ByVal DDD As String)

    If Not (ActiveDoc.Words.WordsTrim(HighlightEnd) = "") Then
        If ActiveDoc.Words.SpacesAfterWord(HighlightEnd) = 0 And ActiveDoc.Words(HighlightEnd + 1) = "." Then HighlightEnd = HighlightEnd +
1
    End If

    '-- Load the module-level variables that will be used later.
    mbolErrorDisplayed = False
    mlngHighlightStart = HighlightStart
    mlngHighlightEnd = HighlightEnd
    mstrErrorKey = ErrorKey

    '-- Load the error message and insert the AAA, BBB, CCC and DDDD information into it.
    mstrErrorText = mbcErrorMessages.Item(ErrorKey).MessageText
    If AAA <> "" Then mstrErrorText = Replace(mstrErrorText, "AAA", AAA)
    If BBB <> "" Then mstrErrorText = Replace(mstrErrorText, "BBB", BBB)
    If CCC <> "" Then mstrErrorText = Replace(mstrErrorText, "CCC", CCC)
    If DDD <> "" Then mstrErrorText = Replace(mstrErrorText, "DDD", DDD)

    '-- Reset the suggestion
    Call mbcSuggestion.Reset(Citation.CitationStart, Citation.CitationEnd)

End Sub

Public Function IgnoreError() As Boolean

    Dim varErrorKey As Variant
    Dim strTruncatedErrorKey As String


    strTruncatedErrorKey = TruncatedErrorKey(mstrErrorKey)
    For Each varErrorKey In mcolIgnoreRuleList
        If varErrorKey = strTruncatedErrorKey Then
            IgnoreError = True
            Exit Function
        End If
    Next varErrorKey

End Function

Public Sub DisplaySuggestion()

    With mfErrorForm

        Call .AddSuggestion(mbcSuggestion.RTFNormal, mbcSuggestion.RTFHighlight)
        If mbolErrorDisplayed = False Then Call DisplayError

    End With

    '-- Reset the suggestion
    Call mbcSuggestion.Reset(Citation.CitationStart, Citation.CitationEnd)

End Sub

Private Sub DisplayError()

    Dim strReplacementText As String
    Dim strOriginal As String
    Dim strNormalRTF As String
```

```
    Dim strHighlightRTF As String
    Dim strRuleKey As String


    '-- Select the citation in the original word document.
    ActiveDoc.Words.Range(Citation.CitationStart, Citation.CitationEnd).Select

    '-- Highlight the citation and display it.
    strNormalRTF = ActiveDoc.Words.TextRTF(Citation.CitationStart, Citation.CitationEnd)
    strHighlightRTF = HighlightRTF(ActiveDoc, strNormalRTF, mlngHighlightStart, mlngHighlightEnd)
    Call mfErrorForm.AddCitation(strNormalRTF, strHighlightRTF)

    '-- Substitute the "ORIGINAL" fields in the error message with the modified text.
    If InStr(1, mstrErrorText, "ORIGINAL", vbBinaryCompare) Then
        strReplacementText = ActiveDoc.Words(mlngHighlightStart, mlngHighlightEnd)
        strReplacementText = FilterText(strReplacementText, "the", "the")
        mstrErrorText = Replace(mstrErrorText, "ORIGINAL", strReplacementText)
    End If

    '-- Substitute the "SUGGESTION" fields in the error message with the modified text.
    If InStr(1, mstrErrorText, "SUGGESTION", vbBinaryCompare) Then
        strReplacementText = FilterText(mbcSuggestion.SuggestionText, "a", "an")
        mstrErrorText = Replace(mstrErrorText, "SUGGESTION", strReplacementText)
    End If

    '-- Convert the first character of the error message to upper case, and then display the error message.
    mstrErrorText = Trim$(mstrErrorText)
    mstrErrorText = UCase$(Left$(mstrErrorText, 1)) & Right$(mstrErrorText, Len(mstrErrorText) - 1)
    mfErrorForm.txtErrorMessage.Text = mstrErrorText

    '-- Display the rule associated with this rule.
    strRuleKey = mbcErrorMessages.Item(mstrErrorKey).RuleKey
    If strRuleKey = "T.1" Then
        If Not (Citation.Jurisdiction Is Nothing) Then
            If Not (Citation.Court Is Nothing) Then
                strRuleKey = "T.1: " & Citation.Jurisdiction & " " & Citation.Court.CourtGroup.FullName
            Else
                strRuleKey = ""
            End If
        End If
    End If
    If Not (strRuleKey = "") Then mfErrorForm.rtfRule = mbcBluebookRules.Item(strRuleKey).MessageText

    mbolErrorDisplayed = True

End Sub

Private Function FilterText(ByVal SourceText As String, ByVal ArticleOne As String, ByVal ArticleTwo As String) As String

    SourceText = Trim$(SourceText)

    If Len(Trim$(SourceText)) = 1 Then

    Select Case SourceText
        Case "("
            FilterText = ArticleTwo & " open parenthesis"
        Case ")"
            FilterText = ArticleOne & " close parenthesis"
        Case "["
            FilterText = ArticleTwo & " open bracket"
        Case "]"
            FilterText = ArticleOne & " close bracket"
        Case "."
            FilterText = ArticleOne & " period"
        Case ","
            FilterText = ArticleOne & " comma"
        Case "("
            FilterText = ArticleTwo & " open question mark"
        Case ";"
            FilterText = ArticleOne & " semicolon"
        Case ":"
            FilterText = ArticleOne & " colon"
        Case bcDBLQUOTE
            FilterText = ArticleOne & " quotation mark"
        Case "'"
            FilterText = ArticleTwo & " apostrophe"
        Case "-"
            FilterText = ArticleOne & " hyphen"
        Case Else
            FilterText = bcDBLQUOTE & SourceText & bcDBLQUOTE
        End Select

    Else
        FilterText = bcDBLQUOTE & SourceText & bcDBLQUOTE
    End If

End Function

Public Sub Activate()

    If mbcSuggestion.IsDirty Then Call DisplaySuggestion
    If mbolErrorDisplayed = False Then Call DisplayError

    With mfErrorForm
        Call .PrepareData
        .cmdCancel.Enabled = True
        .cmdIgnore.Enabled = True
        .cmdIgnoreRule.Enabled = True
        .cmdChange.Enabled = True
        .cmdChange.SetFocus
        .cmdChange.Enabled = False
```

```
        Call .MakeModal
    End With

    Call ProcessResults

End Sub

Private Sub ProcessResults()

    Dim strTruncatedErrorKey


    Select Case mfErrorForm.Result

        Case Is = Change
            ActiveDoc.Words.TextRTF(Citation.CitationStart, Citation.CitationEnd) = mfErrorForm.SelectedChangeRTF
            mlngChangesMade = mlngChangesMade + 1

        Case Is = IgnoreRule
            mcolIgnoreRuleList.Add TruncatedErrorKey(mstrErrorKey)

    End Select

End Sub

Private Sub Class_Initialize()

    Set mbcBluebookRules = New cMessages
    Call mbcBluebookRules.OpenFile("Bluebook Rules")

    Set mbcErrorMessages = New cMessages
    Call mbcErrorMessages.OpenFile("Error Messages")

    Set mcolIgnoreRuleList = New Collection

    Set mbcSuggestion = New cSuggestion
    Set mfErrorForm = New fErrorForm
    Load mfErrorForm

End Sub

Private Sub Class_Terminate()

    Unload mfErrorForm
    Set mfErrorForm = Nothing

End Sub

Private Function HighlightRTF(ByRef SourceDocument As cDocument, ByVal SourceRTF As String, ByVal FirstWord As Long, _
ByVal LastWord As Long) As String

    Dim bcRichText As New cRichText
    Dim lngFirstChar As Long
    Dim lngLastChar As Long
    Dim lngCharOffset As Long


    If LastWord < FirstWord _
    Or FirstWord = 0 _
    Or LastWord = 0 Then
        HighlightRTF = SourceRTF
        Exit Function
    End If

    If SourceDocument Is ActiveDoc Then lngCharOffset = ActiveDoc.Words.FirstChar(Citation.CitationStart) - 1

    lngFirstChar = SourceDocument.Words.FirstChar(FirstWord) - lngCharOffset
    lngLastChar = SourceDocument.Words.LastChar(LastWord) - lngCharOffset

    With bcRichText
        .TextRTF = SourceRTF
        .SelStart = lngFirstChar
        .SelLength = lngLastChar - lngFirstChar
        .SelColor = wdColorRed
        HighlightRTF = .TextRTF
    End With

End Function

Private Function TruncatedErrorKey(ErrorKey As String) As String

    If IsNumeric(Right$(mstrErrorKey, 1)) Then
        TruncatedErrorKey = Trim$(Left$(mstrErrorKey, Len(ErrorKey) - 1))
    Else
        TruncatedErrorKey = mstrErrorKey
    End If

End Function
```

```
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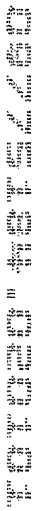
Option Explicit

Public MessageName
Public MessageText
Public RuleKey
```



```
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Option Explicit

Private mcolItems As Collection
Private mstrFileName As String
Private Const FILE_PATH As String = "C:\BlueCheck\Data\"

Friend Function Item(Index As Variant) As cMessage
    Set Item = mcolItems(Index)
End Function

Friend Sub Add(Item As cMessage, Optional Before, Optional After)
    mcolItems.Add Item, Item.MessageName, Before, After
End Sub

Friend Sub Remove(Index)
    mcolItems.Remove (Index)
End Sub

Friend Property Get FileName() As String
    FileName = mstrFileName
End Property

Public Function NewEnum() As IUnknown
    Set NewEnum = mcolItems.[_NewEnum]
End Function

Friend Sub OpenFile(FileName As String)

    Dim lngFileNumber As Long
    Dim bcMessage As cMessage
    Dim strMessageName As String
    Dim strMessageText As String
    Dim strRuleKey As String


    mstrFileName = FileName
    Set mcolItems = New Collection

    lngFileNumber = FreeFile
    Open FILE_PATH & mstrFileName & ".txt" For Input As lngFileNumber
    Do

        Line Input #lngFileNumber, strMessageName
        Line Input #lngFileNumber, strMessageText
        Line Input #lngFileNumber, strRuleKey

        Set bcMessage = New cMessage
        With bcMessage
            .MessageName = strMessageName
            .MessageText = strMessageText
            .RuleKey = strRuleKey
        End With
        mcolItems.Add bcMessage, bcMessage.MessageName

    Loop Until EOF(lngFileNumber)
    Close lngFileNumber
    mstrFileName = FileName

End Sub

Friend Sub SaveFile()

    Dim lngFileNumber As Long
    Dim bcMessage As cMessage


    lngFileNumber = FreeFile
    Open FILE_PATH & mstrFileName & ".txt" For Output As lngFileNumber

    For Each bcMessage In mcolItems
        With bcMessage
            Print #lngFileNumber, .MessageName
            Print #lngFileNumber, Replace(.MessageText, vbCrLf, "")
            Print #lngFileNumber, .RuleKey
        End With
    Next bcMessage

    Close lngFileNumber
    Call MsgBox("Save complete.", vbOKOnly, "Save complete")

End Sub
```

```
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Option Explicit

Private mlngSuggestion() As Long
Private mbolHighlight() As Boolean

Private mbcSuggestion As cDocument
Private mlngFirstWord As Long
Private mlngLastWord As Long

Private mstrSuggestion As String
Private mbolIsDirty As Boolean

Private Const DELETED As Long = -100000000

Private Sub Class_Initialize()

    Set mbcSuggestion = New cDocument
    Call mbcSuggestion.Initialize

End Sub

Friend Property Get IsDirty() As Boolean
    IsDirty = mbolIsDirty
End Property

Friend Property Get SuggestionText() As String
    SuggestionText = mstrSuggestion
End Property

Friend Sub Reset(ByVal FirstWord As Long, ByVal LastWord As Long)

    Dim i As Long
    Dim lngOffset As Long


    mlngFirstWord = FirstWord
    mlngLastWord = LastWord
    mstrSuggestion = ""

    ReDim mlngSuggestion(mlngFirstWord To mlngLastWord)
    ReDim mbolHighlight(mlngFirstWord To mlngLastWord)

'    mbcSuggestion.Range.FormattedText = ActiveDoc.Words.Range(mlngFirstWord, mlngLastWord).FormattedText

    mbcSuggestion.FormattedText = ActiveDoc.Words.Range(mlngFirstWord, mlngLastWord)

    lngOffset = Citation.CitationStart - 1
    For i = mlngFirstWord To mlngLastWord
        mlngSuggestion(i) = i - lngOffset
    Next i

'    Call DebugPrintWords
    mbolIsDirty = False

End Sub

Friend Sub Change(ByVal FirstWord As Long, ByVal LastWord As Long, ByVal ReplacementText As String)

    Dim lngFirstWord As Long
    Dim lngLastWord As Long
    Dim lngFormerWordCount As Long
    Dim lngOffset As Long
    Dim i As Long


    lngFormerWordCount = mbcSuggestion.Words.Count
    lngFirstWord = mlngSuggestion(FirstWord)
    lngLastWord = mlngSuggestion(LastWord)
    If mstrSuggestion = "" Then mstrSuggestion = ReplacementText

    '-- If the word before the change start is a punctuation mark, and the change begins with the same punctuation mark, then
    '   delete the first punctuation mark when making the change.

    If mbcSuggestion.Words(lngFirstWord - 1) = Left$(Trim$(ReplacementText), 1) Then
        lngFirstWord = lngFirstWord - 1
    End If

    '-- If the word after the change end is a punctuation mark, and the change ends with the same punctuation mark, then
    '   delete the later punctuation mark when making the change.

    If mbcSuggestion.Words(lngLastWord + 1) = Right$(Trim$(ReplacementText), 1) Then
        lngLastWord = lngLastWord + 1
    End If

    '-- Change the suggestion.

'    mbcSuggestion.Words.Highlight(lngFirstWord, lngLastWord) = True
    mbcSuggestion.Words(lngFirstWord, lngLastWord) = ReplacementText

    '-- Update the offset count.

    lngOffset = lngFormerWordCount - mbcSuggestion.Words.Count
    If lngOffset > 0 Then
        '-- The new suggestion is shorter than the old suggestion.
        For i = LastWord - lngOffset + 1 To LastWord
            mlngSuggestion(i) = DELETED
        Next i
        For i = LastWord + 1 To mlngLastWord
            mlngSuggestion(i) = mlngSuggestion(i) - lngOffset
```

```
        Next i
    ElseIf lngOffset < 0 Then
        '-- The new suggestion is longer than the old suggestion
        For i = LastWord + 1 To mlngLastWord
            mlngSuggestion(i) = mlngSuggestion(i) - lngOffset
        Next i
    End If

'    Call DebugPrintWords
    mbolIsDirty = True

End Sub

Friend Sub Delete(ByVal FirstWord As Long, ByVal LastWord As Long)

    Dim lngFirstWord As Long
    Dim lngLastWord As Long
    Dim lngOffset As Long
    Dim strSurroundingText As String
    Dim i As Long


    If Not (ActiveDoc.Words.WordsTrim(LastWord) = "") Then
        If ActiveDoc.Words.SpacesAfterWord(LastWord) = 0 And ActiveDoc.Words(LastWord + 1) = "." Then LastWord = LastWord + 1
    End If

    If mstrSuggestion = "" Then mstrSuggestion = ActiveDoc.Words(FirstWord, LastWord)
    lngFirstWord = mlngSuggestion(FirstWord)
    lngLastWord = mlngSuggestion(LastWord)

    '-- If the deletion will create an improper combination of punctuation after the words are deleted, then expand the range
    '   of words to delete to delete one of the improper characters.

    strSurroundingText = mbcSuggestion.Words(lngFirstWord - 1) & mbcSuggestion.Words(lngLastWord + 1)

    Select Case strSurroundingText
        Case "),", "(,", ",.", ".."
            lngLastWord = lngLastWord + 1
        Case ",,", ",(", ",)"
            lngFirstWord = lngFirstWord - 1
        Case "()"
            lngFirstWord = lngFirstWord - 1
            lngLastWord = lngLastWord + 1
    End Select

    '-- Delete the words in the suggestion.

    Call mbcSuggestion.Words.Delete(lngFirstWord, lngLastWord)

    '-- Update the offset count.

    lngOffset = lngLastWord - lngFirstWord + 1
    For i = FirstWord To LastWord
        mlngSuggestion(i) = DELETED
    Next i
    For i = LastWord + 1 To mlngLastWord
        mlngSuggestion(i) = mlngSuggestion(i) - lngOffset
    Next i

'    Call DebugPrintWords
    mbolIsDirty = True

End Sub

Friend Sub Insert(ByVal InsertBeforeWord As Long, ByVal TextToInsert As String)

    Dim lngInsertBeforeWord As Long
    Dim lngFormerWordCount As Long
    Dim lngOffset As Long
    Dim i As Long
    Dim strPriorWord As String
    Dim strNextWord As String


    lngFormerWordCount = mbcSuggestion.Words.Count
    If InsertBeforeWord > UBound(mlngSuggestion) Then
        lngInsertBeforeWord = mlngSuggestion(UBound(mlngSuggestion)) + 1
    Else
        lngInsertBeforeWord = mlngSuggestion(InsertBeforeWord)
    End If
    If mstrSuggestion = "" Then mstrSuggestion = TextToInsert

    If Left$(TextToInsert, 1) = "(" Then
        strPriorWord = mbcSuggestion.Words(lngInsertBeforeWord - 1)
        If strPriorWord = "," Then
            Call Change(InsertBeforeWord - 1, InsertBeforeWord - 1, TextToInsert)
            Exit Sub
        End If
    End If

    If Right$(TextToInsert, 1) = "," Then
        strNextWord = mbcSuggestion.Words(lngInsertBeforeWord)
        If strNextWord = "(" Or strNextWord = "," Then
            TextToInsert = Left$(TextToInsert, Len(TextToInsert) - 1)
        End If
    End If

    '-- Insert the text in the suggestion.

    Call mbcSuggestion.Words.Insert(lngInsertBeforeWord, TextToInsert)
    lngOffset = lngFormerWordCount - mbcSuggestion.Words.Count
```

```
    mbcSuggestion.Words.Highlight(lngInsertBeforeWord, lngOffset) = True

    '-- Update the offset count.

    For i = InsertBeforeWord To mlngLastWord
        mlngSuggestion(i) = mlngSuggestion(i) - lngOffset
    Next i

'    Call DebugPrintWords
    mbolIsDirty = True

End Sub

Friend Sub Transpose(ByVal FirstWord As Long, ByVal LastWord As Long, ByVal InsertBeforeWord As Long)

    Dim strTextToTranspose As String
    Dim strSurroundingText As String


    strSurroundingText = ActiveDoc.Words(FirstWord - 1) & ActiveDoc.Words(LastWord + 1)
    Select Case strSurroundingText
        Case "()"
            FirstWord = FirstWord - 1
            LastWord = LastWord + 1
    End Select

    strTextToTranspose = ActiveDoc.Words(FirstWord, LastWord)
    If mstrSuggestion = "" Then mstrSuggestion = strTextToTranspose
    Call Delete(FirstWord, LastWord)
    Call Insert(InsertBeforeWord, strTextToTranspose)

    mbolIsDirty = True

End Sub

Private Sub DebugPrintWords()

    Dim i As Long

    Debug.Print
    For i = mlngFirstWord To mlngLastWord
        If mlngSuggestion(i) <> DELETED Then
            Debug.Print i & ": ", ActiveDoc.Words(i), mbcSuggestion.Words(mlngSuggestion(i))
        Else
            Debug.Print i & ": ", ActiveDoc.Words(i)
        End If
    Next i
    Debug.Print "ActiveDoc : " & ActiveDoc.Words(mlngFirstWord, mlngLastWord)
    Debug.Print "Suggestion: " & mbcSuggestion.Words(mlngSuggestion(mlngFirstWord), mlngSuggestion(mlngLastWord))

End Sub


Public Property Get RTFNormal() As String

    RTFNormal = mbcSuggestion.RTF

End Property

Public Property Get RTFHighlight() As String

    'TO DO: Make this actually display highlighted text
    'strRTFHighlight = HighlightRTF(mbcSuggestion, strRTFNormal, lngTransposedStart, lngTransposedEnd)

    RTFHighlight = mbcSuggestion.RTF

End Property

'Private Function HighlightRTF(ByRef SourceDocument As cDocument, ByVal SourceRTF As String, ByVal FirstWord As Long, _
'ByVal LastWord As Long) As String
'
'    Dim bcRichText As New cRichText
'    Dim lngFirstChar As Long
'    Dim lngLastChar As Long
'    Dim lngCharOffset As Long
'
'
'    If LastWord < FirstWord _
'    Or FirstWord = 0 _
'    Or LastWord = 0 Then
'        HighlightRTF = SourceRTF
'        Exit Function
'    End If
'
'    If SourceDocument Is ActiveDoc Then lngCharOffset = ActiveDoc.Words.FirstChar(Citation.CitationStart) - 1
'
'    lngFirstChar = SourceDocument.Words.FirstChar(FirstWord)
'    lngLastChar = SourceDocument.Words.LastChar(LastWord)
'
'    With bcRichText
'        .TextRTF = SourceRTF
'        .SelStart = lngFirstChar - lngCharOffset
'        .SelLength = lngLastChar - lngFirstChar - lngCharOffset
'        .SelColor = wdColorRed
'        HighlightRTF = .TextRTF
'    End With
'
'End Function
```

```
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Option Explicit

Public Result As bcButtonPress

Private mstrCitationNormalRTF As String
Private mstrCitationHighlightRTF  As String
Private mstrCitationText As String
Private mbolCitationIsHighlight As Boolean

Private mcolSuggestions As Collection
Private mstrAllSuggestionsHighlightRTF As String
Private mstrAllSuggestionsNormalRTF As String
Private mstrAllSuggestionsText As String
Private mbolSuggestionIsHighlight As Boolean

Private mstrSelectedChangeRTF As String
Private mlngActiveSelection As Long

Private mlngSuggestionStart() As Long
Private mlngSuggestionEnd() As Long

Private mbolModal As Boolean

Private Const bcCitationText = -1
Private Const bcSuggestionText = -2
Private Const SUGGESTION_NORMAL As Long = 795
Private Const SUGGESTION_EXPANDED As Long = 1750

Public Property Get SuggestionsCount() As Long

    If mcolSuggestions Is Nothing Then
        SuggestionsCount = 0
    Else
        SuggestionsCount = mcolSuggestions.Count
    End If

End Property

Public Property Get SelectedChangeRTF() As String
    SelectedChangeRTF = mstrSelectedChangeRTF
End Property

Public Sub AddCitation(ByVal CitationNormalRTF As String, ByVal CitationHighlightRTF As String)

    mstrCitationNormalRTF = CitationNormalRTF
    mstrCitationHighlightRTF = CitationHighlightRTF

    With rtfCitation
        .TextRTF = CitationHighlightRTF
        mstrCitationText = .Text
    End With

    mbolCitationIsHighlight = True

End Sub

Public Sub AddSuggestion(ByVal SuggestionNormalRTF As String, ByVal SuggestionHighlightRTF As String)

    Dim lngSuggestionNumber

    If mcolSuggestions Is Nothing Then Set mcolSuggestions = New Collection
    mcolSuggestions.Add SuggestionNormalRTF

    lngSuggestionNumber = SuggestionsCount

    If lngSuggestionNumber = 1 Then
        lblSuggestion.Enabled = True
        rtfSuggestion.TextRTF = ""
    End If

    ReDim Preserve mlngSuggestionStart(1 To lngSuggestionNumber)
    ReDim Preserve mlngSuggestionEnd(1 To lngSuggestionNumber)

    With rtfSuggestion

        If lngSuggestionNumber > 1 Then
            Call ExpandSuggestions
            .SelStart = Len(.Text)
            .SelText = vbCrLf
            .SelAlignment = rtfCenter
            .SelText = "--- or ---"
            .SelText = vbCrLf
            .SelAlignment = rtfLeft
        End If

        mlngSuggestionStart(lngSuggestionNumber) = .SelStart
        .SelRTF = SuggestionHighlightRTF
        mlngSuggestionEnd(lngSuggestionNumber) = .SelStart - 1

    End With
    mbolSuggestionIsHighlight = True

End Sub

Public Sub PrepareData()

    Dim bcRichText As New cRichText
```

```
    mstrAllSuggestionsText = rtfSuggestion.Text
    mstrAllSuggestionsHighlightRTF = rtfSuggestion.TextRTF

    If SuggestionsCount > 1 Then
        With bcRichText
            .TextRTF = mstrAllSuggestionsHighlightRTF
            .SelStart = 1
            .SelLength = Len(.Text)
            .SelColor = vbBlack
            mstrAllSuggestionsNormalRTF = .TextRTF
        End With
    End If

End Sub

Public Sub MakeModal()

    If SuggestionsCount = 1 Then
        mlngActiveSelection = 1
        cmdChange.Enabled = True
        cmdChange.SetFocus
    End If

    Screen.MousePointer = vbDefault

    mbolModal = True
    Do
        DoEvents
    Loop Until mbolModal = False

End Sub

Public Sub MakeModeless()

    mbolModal = False

    Screen.MousePointer = vbHourglass
    Set mcolSuggestions = Nothing
    cmdIgnoreRule.Enabled = False
    cmdIgnore.Enabled = False
    cmdChange.Enabled = True
    cmdChange.SetFocus
    cmdChange.Enabled = False
    rtfSuggestion.Text = ""
    rtfSuggestion.Locked = True
    rtfSuggestion.Enabled = True
    rtfCitation.Text = ""
    rtfCitation.Locked = True
    rtfCitation.Enabled = True
    rtfRule.Text = ""
    txtErrorMessage.Text = ""
    lblSuggestion.Enabled = False
    ContractSuggestions

    DoEvents

End Sub

Private Sub chkShowRule_Click()

    Dim lngOffset As Long

    lngOffset = rtfRule.Height
    If chkShowRule.Value = 0 Then
        rtfRule.Visible = False
        Me.Height = Me.Height - lngOffset
    Else
        rtfRule.Visible = True
        Me.Height = Me.Height + lngOffset
    End If

End Sub

Private Sub cmdCancel_Click()

    Result = Cancel
    Call MakeModeless
    Me.Hide

End Sub

Private Sub cmdChange_Click()

    Select Case mlngActiveSelection
        Case Is >= 1
            mstrSelectedChangeRTF = mcolSuggestions(mlngActiveSelection)
        Case Is = bcCitationText
            mstrSelectedChangeRTF = rtfCitation.TextRTF
        Case Is = bcSuggestionText
            mstrSelectedChangeRTF = rtfSuggestion.TextRTF
    End Select

    Result = Change
    Call MakeModeless

End Sub

Private Sub cmdIgnore_Click()
```

```
    Result = Ignore
    Call MakeModeless

End Sub

Private Sub cmdIgnoreRule_Click()

    Result = IgnoreRule
    Call MakeModeless

End Sub

Private Sub Form_Click()

    Me.SetFocus

End Sub

Private Sub lblCitation_Click()

    Me.SetFocus

End Sub

Private Sub lblSuggestion_Click()

    Me.SetFocus

End Sub

Private Sub Picture1_Click()

End Sub

Private Sub rtfCitation_Click()

    Dim lngSelectionStart As Long
    Dim lngSelectionLength As Long

    If mbolCitationIsHighlight Then

        With rtfCitation
            lngSelectionStart = .SelStart
            lngSelectionLength = .SelLength

            rtfCitation.TextRTF = mstrCitationNormalRTF
            mbolCitationIsHighlight = False
            .Locked = False

            .SelStart = lngSelectionStart
            .SelLength = lngSelectionLength
        End With

        mbolCitationIsHighlight = False

    End If

End Sub

Private Sub rtfCitation_LostFocus()

    If rtfCitation.Text = mstrCitationText Then
        Call ResetCitation
        If rtfSuggestion.Text = "" Then Call ResetSuggestion
    End If

End Sub

Private Sub rtfCitation_KeyPress(KeyAscii As Integer)

    rtfSuggestion.Text = ""
    rtfSuggestion.Enabled = False
    lblSuggestion.Enabled = False

    If KeyAscii = 13 Then
        KeyAscii = 0
        Call cmdChange_Click
    End If

    mlngActiveSelection = bcCitationText
    cmdChange.Enabled = True
    cmdChange.SetFocus
    DoEvents

End Sub

Private Sub ResetCitation()

    With rtfCitation
        .Locked = True
        .Enabled = True
        .TextRTF = mstrCitationHighlightRTF
    End With
    mbolCitationIsHighlight = True

End Sub

Private Sub txtErrorMessage_Click()

    Me.SetFocus
```

```
End Sub

Private Sub rtfSuggestion_Click()

    Dim lngSelectionStart As Long
    Dim lngSelectionLength As Long
    Dim i As Long
    Dim lngCursorPosition As Long


    With rtfSuggestion

        If SuggestionsCount = 1 Then

            If mbolSuggestionIsHighlight Then

                lngSelectionStart = .SelStart
                lngSelectionLength = .SelLength

                .TextRTF = mcolSuggestions(1)
                mbolSuggestionIsHighlight = False
                .Locked = False

                .SelStart = lngSelectionStart
                .SelLength = lngSelectionLength
            End If

        ElseIf SuggestionsCount > 1 Then

            lngCursorPosition = .SelStart
            mlngActiveSelection = 0
            For i = 1 To SuggestionsCount

                If lngCursorPosition >= mlngSuggestionStart(i) And lngCursorPosition <= mlngSuggestionEnd(i) Then
                    .SelStart = mlngSuggestionStart(i)
                    .SelLength = mlngSuggestionEnd(i) - mlngSuggestionStart(i) + 1
                    cmdChange.Enabled = True
                    mlngActiveSelection = i
                    Exit For
                End If

            Next i

            If mlngActiveSelection = 0 Then
                cmdChange.Enabled = False
                Me.SetFocus
            End If

        End If
    End With

End Sub

Friend Sub rtfSuggestion_LostFocus()

    If rtfSuggestion.Text = mstrAllSuggestionsText Then
        Call ResetSuggestion
    End If

End Sub

Private Sub rtfSuggestion_KeyPress(KeyAscii As Integer)

    rtfCitation.Text = ""
    rtfCitation.Enabled = False

    If KeyAscii = 13 Then
        KeyAscii = 0
        Call cmdChange_Click
    End If

    mlngActiveSelection = bcSuggestionText
    cmdChange.Enabled = True
    cmdChange.SetFocus
    DoEvents

End Sub

Private Sub ResetSuggestion()

    With rtfSuggestion
        .Locked = True
        .Enabled = True
        .TextRTF = mstrAllSuggestionsHighlightRTF
    End With
    mbolSuggestionIsHighlight = True


End Sub

Private Sub Form_Load()

    IsOnTop Me.hwnd, True
    chkShowRule.Value = 0

    Me.Show
    Screen.MousePointer = vbHourglass
    DoEvents
```

```
End Sub

Private Sub Form_QueryUnload(Cancel As Integer, UnloadMode As Integer)

    ' If the user presses the close button from the control menu, stop the form from unloading and instead follow the shutdown
    ' procedure invoked from the Cancel button.

    If UnloadMode = vbFormControlMenu Then
        cmdCancel.Value = True
        Cancel = True
    Else
        Cancel = False
    End If

End Sub



Friend Sub ExpandSuggestions()

    Dim ctlCurrent As Control


    If Me.rtfSuggestion.Height <> SUGGESTION_EXPANDED Then

        For Each ctlCurrent In Me.Controls
            If TypeOf ctlCurrent Is Line Then
                ctlCurrent.Y1 = ctlCurrent.Y1 + (SUGGESTION_EXPANDED - SUGGESTION_NORMAL)
                ctlCurrent.Y2 = ctlCurrent.Y2 + (SUGGESTION_EXPANDED - SUGGESTION_NORMAL)
            Else
                If ctlCurrent.Top > Me.rtfSuggestion.Top Then ctlCurrent.Top = ctlCurrent.Top + (SUGGESTION_EXPANDED - SUGGESTION_NORMAL)
            End If
        Next ctlCurrent
        Me.Height = Me.Height + (SUGGESTION_EXPANDED - SUGGESTION_NORMAL)
        Me.rtfSuggestion.Height = Me.rtfSuggestion.Height + (SUGGESTION_EXPANDED - SUGGESTION_NORMAL)

    End If

End Sub

Friend Sub ContractSuggestions()

    Dim ctlCurrent As Control


    If Me.rtfSuggestion.Height <> SUGGESTION_NORMAL Then

        For Each ctlCurrent In Me.Controls
            If TypeOf ctlCurrent Is Line Then
                ctlCurrent.Y1 = ctlCurrent.Y1 - (SUGGESTION_EXPANDED - SUGGESTION_NORMAL)
                ctlCurrent.Y2 = ctlCurrent.Y2 - (SUGGESTION_EXPANDED - SUGGESTION_NORMAL)
            Else
                If ctlCurrent.Top > Me.rtfSuggestion.Top Then ctlCurrent.Top = ctlCurrent.Top - (SUGGESTION_EXPANDED - SUGGESTION_NORMAL)
            End If
        Next ctlCurrent
        Me.Height = Me.Height - (SUGGESTION_EXPANDED - SUGGESTION_NORMAL)
        Me.rtfSuggestion.Height = Me.rtfSuggestion.Height - (SUGGESTION_EXPANDED - SUGGESTION_NORMAL)

    End If

End Sub
```

fOptions - 1

```
'-- Copyright 2001 by Robert L. Jacobson.

Option Explicit

Private mstrForCourt As String

Public Property Get ForCourt() As String
    ForCourt = mstrForCourt
End Property

Private Sub Form_Load()

    Dim bcJurisdiction As cJurisdiction


    IsOnTop Me.hwnd, True

    For Each bcJurisdiction In Jurisdictions
        If Not (bcJurisdiction.FullName = "Federal") Then cmbState.AddItem (bcJurisdiction.FullName)
    Next bcJurisdiction

    optDocType(0).Value = False
    optDocType(1).Value = False
    optDocType(2).Value = False

End Sub

Private Sub cmdOK_Click()

    If optDocType(0).Value = True And cmbState.Text <> "" Then
        mstrForCourt = cmbState.Text
    ElseIf optDocType(1).Value = True Then
        mstrForCourt = "Federal"
    ElseIf optDocType(2).Value = True Then
        mstrForCourt = "None"
    End If

    Me.Visible = False
    Debug.Print mstrForCourt

End Sub

Private Sub cmdCancel_Click()

    ' Reset the display to the saved value.
    Select Case mstrForCourt
        Case "None"
            optDocType(2).Value = True
        Case "Federal"
            optDocType(1).Value = True
        Case ""
            optDocType(0).Value = False
            optDocType(1).Value = False
            optDocType(2).Value = False
            cmbState.Enabled = False
            cmdOK.Enabled = False
        Case Else
            optDocType(0).Value = True
            cmbState.Text = mstrForCourt
    End Select

    Me.Visible = False

End Sub

Private Sub optDocType_Click(Index As Integer)

    Select Case Index

        Case 0
            '-- "For state" selected.
            lblState.Enabled = True
            cmbState.Enabled = True
            cmbState.SetFocus
            If cmbState.Text <> "" Then cmdOK.Enabled = True

        Case 1, 2
            '-- "For federal" or "other" selected.
            lblState.Enabled = False
            cmbState.Enabled = False
            cmdOK.Enabled = True

    End Select

End Sub

Private Sub cmbState_Click()

    If optDocType(0).Value = True And cmbState.Text <> "" Then cmdOK.Enabled = True

End Sub
```

mAPIFunctions - 1

```
Option Explicit

Private Const SWP_NOSIZE = &H1
Private Const SWP_NOMOVE = &H2
Private Const HWND_TOPMOST = -1
Private Const HWND_NOTOPMOST = -2

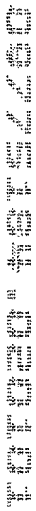
Private Declare Function SetWindowPos Lib "user32" (ByVal hwnd As Long, _
     ByVal hWndInsertAfter As Long, ByVal x As Long, ByVal y As Long, _
     ByVal cx As Long, ByVal cy As Long, ByVal wFlags As Long) As Long

Public Sub IsOnTop(hwnd As Long, bOnTop As Boolean)

    Dim x As Long


    If bOnTop Then
      x = SetWindowPos(hwnd, HWND_TOPMOST, 0, 0, 0, 0, SWP_NOMOVE Or SWP_NOSIZE)
    Else
      x = SetWindowPos(hwnd, HWND_NOTOPMOST, 0, 0, 0, 0, SWP_NOMOVE Or SWP_NOSIZE)
    End If

End Sub
```



```
'-- Copyright 2001 by Robert L. Jacobson.

Option Explicit

Private mbolStartOfPhraseInitialized As Boolean
Private Const CASENAME_PLACEHOLDER As String = "_____ v. _____"


Public Sub CheckCaseName()

    Dim lngVPos As Long
    Dim strVText As String
    Dim strOrigName As String


    mbolStartOfPhraseInitialized = False

    If Not Citation.CaseNameClause Is Nothing Then
        If Not Citation.CaseNameClause.Text = CASENAME_PLACEHOLDER Then

            Call CheckIncorrectVersusText
            If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub

            Call CheckMultipleVersus
            If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub

            Call CheckEtAlAndDBA
            If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub

            Call CheckShouldBeExRel
            If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub

            Call CheckShouldBeInRe
            If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub

            Call CheckVersusFollowsProceduralPhrase
            If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub

            Call CheckMultipleProceduralPhrases
            If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub

            Call CheckInRePunctuation
            If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub

            Call CheckExPartePunctuation
            If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub

            Call CheckExRelPunctuation
            If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub

            Call CheckFirstWordAbbreviated
            If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub

            Call CheckThe
            If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub

            Call CheckDescriptiveTerms
            If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub

            Call CheckUsesStateOf
            If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub

            Call CheckShouldNotUseState
            If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub

            Call CheckShouldUseState
            If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub

            Call CheckCityOf
            If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub

            Call CheckPrepositionalPhraseOfLocation
            If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub

            Call CheckOfAmerica
            If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub

            Call CheckBusinessFirmDesignations
            If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub

            Call CheckUnion
            If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub

            Call CheckCIR
            If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub

            Call CheckShouldAbbreviate
            If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub

            Call CheckUnitedStates
            If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub

        Else

            Call CheckMissingCaseNameClause
            If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub

        End If
    End If

End Sub
```

```
Private Sub CheckMissingCaseNameClause()

    '-- If the citation doesn't have a case name clause, then suggest inserting a placeholder.

    If Citation.CaseNameClause Is Nothing Then
        Call ErrorForm.LoadError("CaseName MissingCaseNameClause", 0, 0)
        If Not ErrorForm.IgnoreError Then
            Call ErrorForm.Suggestion.Insert(Citation.CitationStart, "_____ v. _____")
            Call ErrorForm.Activate
        End If
    End If

End Sub


Private Sub CheckIncorrectVersusText()

    '-- If the abbreviation for versus is not spelled as "v." with a trailing space, then suggest correcting it.

    Dim i As Long
    Dim strWordTrim As String
    Dim lngVersusEnd As Long


    For i = Citation.CaseNameClause.PartyName(1).Start To Citation.CaseNameClause.ClauseEnd
        strWordTrim = ActiveDoc.Words.WordsTrim(i)

        If strWordTrim = "v" _
        Or strWordTrim = "vs" _
        Or strWordTrim = "versus" Then
            lngVersusEnd = ActiveDoc.Words.NextFullWord(i) - 1

            '-- Is "versus" abbreviated incorrectly?
            '>> Jones vs. Smith, 200 U.S. 500, 505 (1980)

            If ActiveDoc.Words(i, lngVersusEnd) <> "v." Then

                Call ErrorForm.LoadError("CaseName IncorrectVersusText A", i, lngVersusEnd)
                If Not ErrorForm.IgnoreError Then
                    Call ErrorForm.Suggestion.Change(i, lngVersusEnd, "v.")
                    Call ErrorForm.Activate
                    If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub
                End If

            '-- Is there no space after the abbreviation of "versus"?
            '>> Jones v.Smith, 200 U.S. 500, 505 (1980)

            ElseIf ActiveDoc.Words.SpacesAfterWord(lngVersusEnd) = 0 Then

                Call ErrorForm.LoadError("CaseName IncorrectVersusText B", i, lngVersusEnd)
                If Not ErrorForm.IgnoreError Then
                    Call ErrorForm.Suggestion.Change(i, lngVersusEnd, "v.")
                    Call ErrorForm.Activate
                    If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub
                End If

            End If
        End If

    Next i

End Sub

Private Sub CheckMultipleVersus()

    '-- If the case name has more than one abbreviations of "versus," then suggest deleting the subsequent versus.

    Dim i As Long
    Dim strWordTrim As String
    Dim lngPriorComma As Long
    Dim lngVersusEnd As Long


    If Citation.CaseNameClause.PartiesCount > 1 Then
        For i = Citation.CaseNameClause.PartyName(2).Start To Citation.CaseNameClause.ClauseEnd
            strWordTrim = ActiveDoc.Words.WordsTrim(i)

            If strWordTrim = "v" _
            Or strWordTrim = "vs" _
            Or strWordTrim = "versus" Then

                '-- Search for a comma that falls between this versus and the first versus.
                lngPriorComma = LocateWord(i - 1, Citation.CaseNameClause.VersusPosition, False, ",")

                '-- If a prior comma was found, then suggest deleting it and all subsequent text.
                '>> Jones v. Smith, Smith v. Jones, 200 U.S. 500, 505 (1980)
                If lngPriorComma > 0 Then

                    Call ErrorForm.LoadError("CaseName MultipleVersus 1", lngPriorComma + 1, Citation.CaseNameClause.ClauseEnd)
                    If Not ErrorForm.IgnoreError Then
                        Call ErrorForm.Suggestion.Delete(lngPriorComma, Citation.CaseNameClause.ClauseEnd)
                        Call ErrorForm.Activate
                        If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub
                    End If

                '-- Otherwise, just ask the user to fix the error manually.
                '>> Jones v. Smith Smith v. Jones, 200 U.S. 500, 505 (1980)
                Else
                    lngVersusEnd = ActiveDoc.Words.NextFullWord(i) - 1
```

```
                    Call ErrorForm.LoadError("CaseName MultipleVersus 2", i, lngVersusEnd)
                    If Not ErrorForm.IgnoreError Then
                        Call ErrorForm.Activate
                        If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub
                    End If

                End If

            End If
        Next i
    End If

End Sub

Private Sub CheckEtAlAndDBA()

    '-- Rule 10.2.1(a): If the case name contains the phrase "et al." or "d/b/a", then suggest deleting that phrase and the
    '   remaining text in that party's name.
    '>> Franklin et al. v. Amanant, 200 U.S. 500, 505 (1980)
    '>> Franklin v. Amanant d/b/a The Man, Inc., 200 U.S. 500, 505 (1980)

    Dim i As Long
    Dim lngPhraseEnd As Long
    Dim lngDeleteStart As Long
    Dim strErrorKey As String


    For i = Citation.CaseNameClause.PartyName(1).Start To Citation.CaseNameClause.ClauseEnd

        lngPhraseEnd = IsStartOfPhrase(i, "etal", True)
        If lngPhraseEnd > 0 Then
            strErrorKey = "CaseName EtAlAndDBA A"
        Else
            lngPhraseEnd = IsStartOfPhrase(i, "dba", True)
            If lngPhraseEnd > 0 Then
                strErrorKey = "CaseName EtAlAndDBA B"
            End If
        End If

        If lngPhraseEnd > 0 Then

            If ActiveDoc.Words(i - 1) = "," Then
                lngDeleteStart = i - 1
            Else
                lngDeleteStart = i
            End If

            Call ErrorForm.LoadError(strErrorKey, lngDeleteStart, Citation.CaseNameClause.PartyNameAtWord(i).End, ActiveDoc.Words(i, lngPhr
aseEnd))
            If Not ErrorForm.IgnoreError Then
                Call ErrorForm.Suggestion.Delete(lngDeleteStart, Citation.CaseNameClause.PartyNameAtWord(i).End)
                Call ErrorForm.Activate
                If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub
            End If

        End If

    Next i

End Sub

Private Sub CheckShouldBeExRel()

    '-- Rule 10.2.1(b): If the case name contains the phrases "on... of," "for... of," or "by and through," then suggest changing the
    '   phrase to "ex rel."

    Dim i As Long
    Dim lngOfLocation As Long
    Dim strWordTrim As String
    Dim lngPhraseEnd As Long


    '-- Look for the phrase "on... of"
    '>> Jones on Behalf of the Application of Smith v. Johnson, 200 U.S. 500, 505 (1980)

    '!!! TO DO: Change this so the second party's name is checked as well.
    For i = Citation.CaseNameClause.PartyName(1).Start To Citation.CaseNameClause.ClauseEnd
        strWordTrim = ActiveDoc.Words.WordsTrim(i)
        If strWordTrim = "on" Or strWordTrim = "for" Then

            lngOfLocation = LocateWord(Citation.CaseNameClause.PartyName(1).End, i + 2, True, "of")
            If lngOfLocation > 0 Then

                If ActiveDoc.Words.WordsTrim(lngOfLocation + 1) = "the" Then
                    lngPhraseEnd = lngOfLocation + 1
                Else
                    lngPhraseEnd = lngOfLocation
                End If

                Call ErrorForm.LoadError("CaseName ShouldBeExRel", i, lngPhraseEnd)
                If Not ErrorForm.IgnoreError Then
                    Call ErrorForm.Suggestion.Change(i, lngPhraseEnd, "ex rel.")
                    Call ErrorForm.Activate
                    If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub
                End If

            End If

        End If
    Next i
```

```
    '-- Look for the phrases "by and through" and "for the use of"
    '>> Jones by and through Smith v. Johnson, 200 U.S. 500, 505 (1980)
    For i = Citation.CaseNameClause.PartyName(1).Start To Citation.CaseNameClause.ClauseEnd
        lngOfLocation = IsStartOfPhrase(i, "byandthrough", False)
        If lngOfLocation = 0 Then lngOfLocation = IsStartOfPhrase(i, "fortheuseof", False)
        If lngOfLocation > 0 Then

            Call ErrorForm.LoadError("CaseName ShouldBeExRel", i, lngOfLocation)
            If Not ErrorForm.IgnoreError Then
                Call ErrorForm.Suggestion.Change(i, lngOfLocation, "ex rel.")
                Call ErrorForm.Activate
                If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub
            End If

        End If
    Next i

End Sub

Private Sub CheckShouldBeInRe()

    '-- Rule 10.2.1(b): If the first word of the case name is "in," "petition," or "application" and that word is followed by "of,"
    '   then suggest changing the phrase to "In re".

    '>> In the Matter of the Application of Smith, 200 U.S. 500, 505 (1980)
    '>> Matter of the Application of Smith, 200 U.S. 500, 505 (1980)
    '>> Petition of Smith, 200 U.S. 500, 505 (1980)

    Dim i As Long
    Dim lngOfLocation As Long
    Dim strFirstWordTrim As String
    Dim strSecondWordTrim As String


    With Citation.CaseNameClause

        strFirstWordTrim = ActiveDoc.Words.WordsTrim(.PartyName(1).Start)
        strSecondWordTrim = ActiveDoc.Words.WordsTrim(.PartyName(1).Start + 1)

        If (strFirstWordTrim = "in" And strSecondWordTrim <> "re") _
        Or strFirstWordTrim = "petition" _
        Or strFirstWordTrim = "application" _
        Or strFirstWordTrim = "matter" Then

            lngOfLocation = LocateWord(.ClauseEnd, .PartyName(1).Start + 1, True, "of")
            If lngOfLocation > 0 Then

                Call ErrorForm.LoadError("CaseName ShouldBeInRe", .PartyName(1).Start, lngOfLocation)
                If Not ErrorForm.IgnoreError Then
                    Call ErrorForm.Suggestion.Change(.PartyName(1).Start, lngOfLocation, "In re")
                    Call ErrorForm.Activate
                    If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub
                End If

            End If

        End If

    End With

End Sub

Private Sub CheckVersusFollowsProceduralPhrase()

    '-- Rule 10.2.1(b): If a designation of "versus" follows "In re" or "Ex parte," then suggest deleting the procedural phrase.
    '>> In re Jones v. Smith, 200 U.S. 500, 505 (1980)

    Dim lngPhraseEnd As Long


    With Citation.CaseNameClause

        If .VersusPosition > 0 Then
            lngPhraseEnd = IsStartOfPhrase(.PartyName(1).Start, "inre", True)
            If lngPhraseEnd = 0 Then lngPhraseEnd = IsStartOfPhrase(.PartyName(1).Start, "exparte", True)

            If lngPhraseEnd > 0 Then

                Call ErrorForm.LoadError("CaseName VersusFollowsProceduralPhrase", .PartyName(1).Start, lngPhraseEnd, ActiveDoc.Words(.Part
yName(2).Start, .PartyName(2).End))
                If Not ErrorForm.IgnoreError Then
                    Call ErrorForm.Suggestion.Delete(.PartyName(1).Start, lngPhraseEnd)
                    Call ErrorForm.Activate
                End If

            End If
        End If

    End With

End Sub

Private Sub CheckMultipleProceduralPhrases()

    '-- Rule 10.2.1(b): If "ex rel." follows a designation of "In re" or "Ex parte," then suggest deleting "ex rel." and all of
    '   the text that follows it.
    '>> In re Jones ex rel. Smith, 200 U.S. 500, 505 (1980)

    Dim lngEndOfFirstPhrase As Long
    Dim lngEndOfSecondPhrase As Long
    Dim i As Long
```

```
    With Citation.CaseNameClause

        lngEndOfFirstPhrase = IsStartOfPhrase(.PartyName(1).Start, "inre", True)
        If lngEndOfFirstPhrase = 0 Then lngEndOfFirstPhrase = IsStartOfPhrase(.PartyName(1).Start, "exparte", True)

        If lngEndOfFirstPhrase > 0 Then
            For i = lngEndOfFirstPhrase + 1 To .ClauseEnd
                lngEndOfSecondPhrase = IsStartOfPhrase(i, "exrel", True)

                If lngEndOfSecondPhrase > 0 Then

                    Call ErrorForm.LoadError("CaseName MultipleProceduralPhrases", i, .ClauseEnd, ActiveDoc.Words(i, lngEndOfSecondPhrase),
ActiveDoc.Words(.PartyName(1).Start, lngEndOfFirstPhrase))
                    If Not ErrorForm.IgnoreError Then
                        Call ErrorForm.Suggestion.Delete(i, .ClauseEnd)
                        Call ErrorForm.Activate
                        If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub
                    End If

                End If

            Next i
        End If

    End With

End Sub

Private Sub CheckInRePunctuation()

    '-- Rule 10.2.1(b): If "In re" is incorrectly punctuated or capitalized, then suggest correcting it.
    '>> In Re. Jones, 200 U.S. 500, 505 (1980)

    Dim lngPhraseEnd As Long


    With Citation.CaseNameClause

        lngPhraseEnd = IsStartOfPhrase(.PartyName(1).Start, "inre", True)
        If lngPhraseEnd > 0 Then
            If ActiveDoc.Words(.PartyName(1).Start, lngPhraseEnd) <> "In re" Then

                Call ErrorForm.LoadError("CaseName InRePunctuation", .PartyName(1).Start, lngPhraseEnd)
                If Not ErrorForm.IgnoreError Then
                    Call ErrorForm.Suggestion.Change(.PartyName(1).Start, lngPhraseEnd, "In re")
                    Call ErrorForm.Activate
                    If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub
                End If

            End If
        End If

    End With

End Sub

Private Sub CheckExPartePunctuation()

    '-- Rule 10.2.1(b): If "Ex parte" is incorrectly punctuated or capitalized, then suggest correcting it.
    '>> Ex Parte Jones, 200 U.S. 500, 505 (1980)

    Dim lngPhraseEnd As Long


    With Citation.CaseNameClause

        lngPhraseEnd = IsStartOfPhrase(.PartyName(1).Start, "exparte", True)
        If lngPhraseEnd > 0 Then
            If ActiveDoc.Words(.PartyName(1).Start, lngPhraseEnd) <> "Ex parte" Then

                Call ErrorForm.LoadError("CaseName ExPartePunctuation", .PartyName(1).Start, lngPhraseEnd)
                If Not ErrorForm.IgnoreError Then
                    Call ErrorForm.Suggestion.Change(.PartyName(1).Start, lngPhraseEnd, "Ex parte")
                    Call ErrorForm.Activate
                    If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub
                End If

            End If
        End If

    End With

End Sub

Private Sub CheckExRelPunctuation()

    '-- Rule 10.2.1(b): If "ex rel." is incorrectly punctuated or capitalized, then suggest correcting it.
    '>> Smith exrel. Jones, 200 U.S. 500, 505 (1980)

    Dim lngPhraseEnd As Long
    Dim i As Long


    With Citation.CaseNameClause

        For i = .PartyName(1).Start + 1 To .ClauseEnd - 1
            lngPhraseEnd = IsStartOfPhrase(i, "exrel", True)
            If lngPhraseEnd > 0 Then
```

```
            If ActiveDoc.Words(i, lngPhraseEnd) <> "ex rel." Then

                Call ErrorForm.LoadError("CaseName ExRelPunctuation", i, lngPhraseEnd)
                If Not ErrorForm.IgnoreError Then
                    Call ErrorForm.Suggestion.Change(i, lngPhraseEnd, "ex rel.")
                    Call ErrorForm.Activate
                    If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub
                End If

            End If
        End If
    Next i

End With

End Sub

Private Sub CheckFirstWordAbbreviated()

    '-- Rule 10.2.1(c): If the first word of a party name is an abbreviation (either an abbreviation from Table 6 or an
    '   unrecognized abbreviation) then suggest expanding it.
    '>> Univ. of Minn. v. Smith, 200 U.S. 205, 210 (1980)

    Dim lngParty As Long
    Dim lngNameStart As Long
    Dim lngNameEnd As Long


    With Citation.CaseNameClause

        For lngParty = 1 To .PartiesCount
            lngNameStart = .PartyName(lngParty).Start
            '-- "C.I.R." and "U.S." are handled elsewhere.
            If Not (IsStartOfPhrase(lngNameStart, "cir", False) > 0 Or IsStartOfPhrase(lngNameStart, "us", False) > 0) Then
                lngNameEnd = .PartyName(lngParty).End
                Call CheckImproperAbbreviation(lngNameStart, lngNameEnd, "CaseName FirstWordAbbreviated")
                If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub
            End If
        Next lngParty

    End With

End Sub

Private Sub CheckThe()

    '-- Rule 10.2.1(d): If the first word of a party name is "The," then suggest deleting it unless it is part of the phrase
    '   "The King," "The Queen," or "The ... case(s)."
    '>> The Univ. of Minn. v. Smith, 200 U.S. 205, 210 (1980)

    Dim lngParty As Long
    Dim lngNameStart As Long
    Dim lngThePosition As Long


    With Citation.CaseNameClause

        For lngParty = 1 To .PartiesCount
            lngNameStart = .PartyName(lngParty).Start

            If ActiveDoc.Words.WordsTrim(lngNameStart) = "the" Then
                lngThePosition = lngNameStart

                '-- Is "The" not immediately followed by "King" or "Queen", and not followed by "Case" or "Cases"?
                If Not (ActiveDoc.Words.WordsTrim(lngThePosition + 1) = "queen" _
                Or ActiveDoc.Words.WordsTrim(lngThePosition + 1) = "king" _
                Or LocateWord(lngThePosition + 1, .ClauseEnd, True, "case", "cases") > 0) Then

                    Call ErrorForm.LoadError("CaseName The", lngThePosition, lngThePosition)
                    If Not ErrorForm.IgnoreError Then
                        Call ErrorForm.Suggestion.Delete(lngThePosition, lngThePosition)
                        Call ErrorForm.Activate
                        If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub
                    End If

                End If

            End If
        Next lngParty

    End With

End Sub

Private Sub CheckDescriptiveTerms()

    '-- Rule 10.2.1(e):  If the name of a party ends in a word that describes a party, like "administrator," "appellee," or
    '   "executor," then suggest deleting that word.
    '>> Smith, Trustee v. Jones, 200 U.S. 500, 505 (1980)

    Dim lngParty As Long
    Dim lngNameEnd As Long
    Dim strWordTrim As String
    Dim lngDeleteStart As Long


    For lngParty = 1 To Citation.CaseNameClause.PartiesCount

        lngNameEnd = Citation.CaseNameClause.PartyName(lngParty).End
        If lngNameEnd > Citation.CaseNameClause.PartyName(lngParty).Start Then
```

```
            strWordTrim = ActiveDoc.Words.WordsTrim(lngNameEnd)
            If Len(strWordTrim) > 5 Then

                '-- First, look for known descriptive terms.
                If strWordTrim = "administrator" _
                Or strWordTrim = "appellee" _
                Or strWordTrim = "appellant" _
                Or strWordTrim = "executor" _
                Or strWordTrim = "executrix" _
                Or strWordTrim = "licensee" _
                Or strWordTrim = "licensor" _
                Or strWordTrim = "trustee" Then

                    If ActiveDoc.Words(lngNameEnd - 1) = "," Then
                        lngDeleteStart = lngNameEnd - 1
                    Else
                        lngDeleteStart = lngNameEnd
                    End If

                    Call ErrorForm.LoadError("CaseName DescriptiveTerms A", lngNameEnd, lngNameEnd)
                    If Not ErrorForm.IgnoreError Then
                        Call ErrorForm.Suggestion.Delete(lngDeleteStart, lngNameEnd)
                        Call ErrorForm.Activate
                        If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub
                    End If

                '-- Second, identify other descriptive terms by looking to their suffixes, but only if preceeded by a comma.
                ElseIf ActiveDoc.Words(lngNameEnd - 1) = "," Then

                    If Right$(strWordTrim, 2) = "or" _
                    Or Right$(strWordTrim, 3) = "ors" _
                    Or Right$(strWordTrim, 3) = "ant" _
                    Or Right$(strWordTrim, 4) = "ants" _
                    Or Right$(strWordTrim, 2) = "ee" _
                    Or Right$(strWordTrim, 3) = "ees" _
                    Or Right$(strWordTrim, 3) = "rix" _
                    Or Right$(strWordTrim, 5) = "rixes" Then

                        lngDeleteStart = lngNameEnd - 1

                        Call ErrorForm.LoadError("CaseName DescriptiveTerms B", lngNameEnd, lngNameEnd)
                        If Not ErrorForm.IgnoreError Then
                            Call ErrorForm.Suggestion.Delete(lngDeleteStart, lngNameEnd)
                            Call ErrorForm.Activate
                            If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub
                        End If

                    End If

                End If
            End If

        End If
    Next lngParty

End Sub

Private Sub CheckUsesStateOf()

    '-- Rule 10.2.1(f): If the case name contains "State of [State]", "Commonwealth of [State]" or "People of [State]",
    '   and [state] is the jurisdiction of the citation, suggest deleting "of [state]."  If, however, the citation has a different
    '   jurisdiction, then suggest deleting "State/Commonwealth/People of."

    Dim i As Long
    Dim strPriorWordTrim As String
    Dim lngOfPosition As Long
    Dim bcMatchingJur As cJurisdiction
    Dim lngJurEnd As Long
    Dim lngDeleteStart As Long


    For i = Citation.CaseNameClause.PartyName(1).Start + 1 To Citation.CaseNameClause.ClauseEnd

        If ActiveDoc.Words.WordsTrim(i) = "of" Then

            lngOfPosition = i
            strPriorWordTrim = ActiveDoc.Words.WordsTrim(lngOfPosition - 1)
            If (strPriorWordTrim = "state" Or strPriorWordTrim = "commonwealth" Or strPriorWordTrim = "people") Then


                Set bcMatchingJur = JurisdictionAtWord(ActiveDoc.Words.NextFullWord(lngOfPosition), lngJurEnd)
                If Not (bcMatchingJur Is Nothing) Then

                    '-- Is the jurisdiction that follows the "State/Commonwealth/People of" phrase the same as the state
                    '   court for which this is being submitted (if any)?

                    If bcMatchingJur Is Citation.Jurisdiction Then
                        '-- If so, suggest deleting "of [jurisdiction]"
                        '>> State of Minnesota v. Jones, 200 N.W.2d 200, 205 (Minn. Ct. App. 1990)

                        Call ErrorForm.LoadError("CaseName UsesStateOf A", lngOfPosition, lngJurEnd, AddArticle(bcMatchingJur.FullName))
                        If Not ErrorForm.IgnoreError Then
                            Call ErrorForm.Suggestion.Delete(lngOfPosition, lngJurEnd)
                            If ActiveDoc.Words.WordsTrim(lngOfPosition - 2) = "the" Then Call ErrorForm.Suggestion.Delete(lngOfPosition - 2
, lngOfPosition - 2)
                            Call ErrorForm.Activate
                            If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub
                        End If

                    Else
                        '-- Otherwise, suggest deleting "state/commonwealth/people of"
```

```
                    '>> Jones v. State of Minnesota, 200 N.W.2d 200, 205 (Wis. 1980)

                    If ActiveDoc.Words.WordsTrim(lngOfPosition - 2) = "the" Then
                        lngDeleteStart = lngOfPosition - 2
                    Else
                        lngDeleteStart = lngOfPosition - 1
                    End If

                    Call ErrorForm.LoadError("CaseName UsesStateOf B", lngDeleteStart, lngOfPosition, AddArticle(bcMatchingJur.FullName
))
                    If Not ErrorForm.IgnoreError Then
                        Call ErrorForm.Suggestion.Delete(lngDeleteStart, lngOfPosition)
                        Call ErrorForm.Activate
                        If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub
                    End If

                End If

            End If

        End If
    Next i

End Sub

Private Sub CheckShouldNotUseState()

    '-- Rule 10.2.1(f): If one party's name is simply "State," "Commonwealth," or "People," but the citation has a federal
    '   jurisdiction, then ask the user to change that party's name to the name of the state.
    '>> State v. Jones, 200 U.S. 205, 210 (1980)

    Dim lngParty As Long
    Dim lngNameStart As Long
    Dim strWordTrim As String


    If Not (Citation.Jurisdiction Is Nothing) Then
        If Citation.Jurisdiction.FullName = "Federal" Then
            With Citation.CaseNameClause

                '-- Does the party name consist only of "state," "commonwealth" or "people"?
                For lngParty = 1 To .PartiesCount
                    If .PartyName(lngParty).Start = .PartyName(lngParty).End Then
                        strWordTrim = ActiveDoc.Words.WordsTrim(.PartyName(lngParty).Start)
                        If strWordTrim = "state" Or strWordTrim = "commonwealth" Or strWordTrim = "people" Then

                            Call ErrorForm.LoadError("CaseName ShouldNotUseState", .PartyName(lngParty).Start, .PartyName(lngParty).End)
                            If Not ErrorForm.IgnoreError Then
                                Call ErrorForm.Activate
                                If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub
                            End If

                        End If
                    End If
                Next lngParty

            End With
        End If
    End If

End Sub

Private Sub CheckShouldUseState()

    '-- Rule 10.2.1(f): If one party's name consists only of the name of a state, and that state is the same as the citation's
    '   jurisdiction, then suggest changing the name of the state to "State," "Commonwealth," or "People."
    '>> Minnesota v. Jones, 200 N.W.2d 200, 205 (Minn. Ct. App. 1990)


    Dim lngParty As Long
    Dim lngNameStart As Long
    Dim strWordTrim As String
    Dim lngJurEnd As Long
    Dim bcMatchingJur As cJurisdiction


    If Not (Citation.Jurisdiction Is Nothing) Then
        If Citation.Jurisdiction.FullName <> "Federal" Then
            With Citation.CaseNameClause

                '-- Does the party name consist only of the name or abbreviation of a state, and does that name match the
                '   citation's jurisdiction?
                For lngParty = 1 To .PartiesCount
                    Set bcMatchingJur = JurisdictionAtWord(.PartyName(lngParty).Start, lngJurEnd)
                    If bcMatchingJur Is Citation.Jurisdiction Then
                        If lngJurEnd = .PartyName(lngParty).End Then

                            Call ErrorForm.LoadError("CaseName ShouldUseState", .PartyName(lngParty).Start, .PartyName(lngParty).End, AddAr
ticle(Citation.Jurisdiction.FullName))
                            If Not ErrorForm.IgnoreError Then
                                Call ErrorForm.Suggestion.Change(.PartyName(lngParty).Start, .PartyName(lngParty).End, "State")
                                Call ErrorForm.DisplaySuggestion
                                Call ErrorForm.Suggestion.Change(.PartyName(lngParty).Start, .PartyName(lngParty).End, "Commonwealth")
                                Call ErrorForm.DisplaySuggestion
                                Call ErrorForm.Suggestion.Change(.PartyName(lngParty).Start, .PartyName(lngParty).End, "People")
                                Call ErrorForm.Activate
                                If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub
                            End If
```

```
                    End If
                End If
            Next lngParty

        End With
    End If
End If

End Sub

Private Sub CheckCityOf()

    '-- Rule 10.2.1(f): If the name contains "City of," "Town of," "Township of," "Borough of," or "County of" and that phrase is
    '   not the first word of a party name, then suggest deleting the phrase.
    '>> Mayor of the City of Minneapolis v. Jones, 200 U.S. 205, 210 (1980)

    Dim i As Long
    Dim lngParty As Long
    Dim lngPhraseEnd As Long
    Dim lngPhraseStart As Long


    With Citation.CaseNameClause
        For lngParty = 1 To .PartiesCount
            For i = .PartyName(lngParty).Start + 1 To .PartyName(lngParty).End - 1

                lngPhraseEnd = IsStartOfPhrase(i, "cityof", False)
                If lngPhraseEnd = 0 Then lngPhraseEnd = IsStartOfPhrase(i, "townof", False)
                If lngPhraseEnd = 0 Then lngPhraseEnd = IsStartOfPhrase(i, "townof", False)
                If lngPhraseEnd = 0 Then lngPhraseEnd = IsStartOfPhrase(i, "townshipof", False)
                If lngPhraseEnd = 0 Then lngPhraseEnd = IsStartOfPhrase(i, "boroughof", False)
                If lngPhraseEnd = 0 Then lngPhraseEnd = IsStartOfPhrase(i, "countyof", False)

                If lngPhraseEnd > 0 Then

                    If ActiveDoc.Words.WordsTrim(i - 1) = "the" Then
                        lngPhraseStart = i - 1
                    Else
                        lngPhraseStart = i
                    End If

                    Call ErrorForm.LoadError("CaseName CityOf", lngPhraseStart, lngPhraseEnd)
                    If Not ErrorForm.IgnoreError Then
                        Call ErrorForm.Suggestion.Delete(lngPhraseStart, lngPhraseEnd)
                        Call ErrorForm.Activate
                        If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub
                    End If

                End If
            Next i
        Next lngParty
    End With

End Sub

Private Sub CheckPrepositionalPhraseOfLocation()

    '-- Rule 10.2.1(f): If a party's name contains "of," and the word "of" is not the first or second word in the party's name,
    '   then suggest deleting it if it is a prepositional phrase of location.
    '>> Jones Corp. of California v. Smith, 200 U.S. 205, 210 (1980)

    Dim i As Long
    Dim lngParty As Long
    Dim bcJurisdiction As cJurisdiction
    Dim lngEndOfPhrase As Long
    Dim strPriorWordTrim As String
    Dim strNextWordTrim As String


    With Citation.CaseNameClause
        For lngParty = 1 To .PartiesCount
            For i = .PartyName(lngParty).Start + 2 To .PartyName(lngParty).End - 1

                If ActiveDoc.Words.WordsTrim(i) = "of" Then

                    '-- These exceptions are handled elsewhere.
                    strPriorWordTrim = ActiveDoc.Words.WordsTrim(i - 1)
                    strNextWordTrim = ActiveDoc.Words.WordsTrim(i + 1)
                    If Not (strPriorWordTrim = "state" Or strPriorWordTrim = "commonwealth" Or strPriorWordTrim = "people") _
                    And Not (strNextWordTrim = "america" Or strNextWordTrim = "am") Then

                        Set bcJurisdiction = JurisdictionAtWord(i + 1, lngEndOfPhrase)
                        If Not (bcJurisdiction Is Nothing) Then

                            Call ErrorForm.LoadError("CaseName PrepositionalPhraseOfLocation A", i, lngEndOfPhrase)
                            If Not ErrorForm.IgnoreError Then
                                Call ErrorForm.Suggestion.Delete(i, lngEndOfPhrase)
                                Call ErrorForm.Activate
                                If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub
                            End If

                        Else

                            Call ErrorForm.LoadError("CaseName PrepositionalPhraseOfLocation B", i, .PartyName(lngParty).End)
                            If Not ErrorForm.IgnoreError Then
                                Call ErrorForm.Suggestion.Delete(i, .PartyName(lngParty).End)
                                Call ErrorForm.Activate
                                If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub
                            End If

                        End If
```

```
                End If
            End If

        Next i
    Next lngParty
End With


End Sub

Private Sub CheckOfAmerica()

    '-- Rule 10.2.1(f): If the case name contains "United States of America," suggest deleting "of America."
    '>> Smith v. United States of America, 200 U.S. 205, 210 (1980)

    Dim i As Long


    For i = Citation.CaseNameClause.ClauseStart To Citation.CaseNameClause.ClauseEnd
        If ActiveDoc.Words.WordsTrim(i, i + 1) = "unitedstates" Then
            If ActiveDoc.Words.WordsTrim(i + 2, i + 3) = "ofamerica" _
            Or ActiveDoc.Words.WordsTrim(i + 2, i + 3) = "ofam" Then

                Call ErrorForm.LoadError("CaseName OfAmerica", i + 2, i + 3)
                If Not ErrorForm.IgnoreError Then
                    Call ErrorForm.Suggestion.Delete(i + 2, i + 3)
                    Call ErrorForm.Activate
                    If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub
                End If

            End If
        End If
    Next i

End Sub

Private Sub CheckBusinessFirmDesignations()

    '-- Rule 10.2.1(h): If a party's name has more than one phrase that designates the party as being a business entity, then
    '   suggest deleting the later phrase.
    '>> Smith Corp., Inc. v. Jones, 200 U.S. 200, 205 (1980)

    Dim lngParty As Long
    Dim i As Long
    Dim j As Long
    Dim lngPhraseEnd As Long
    Dim lngSecondPhraseEnd As Long
    Dim lngDeleteStart As Long


    With Citation.CaseNameClause

        For lngParty = 1 To .PartiesCount
            For i = .PartyName(lngParty).Start + 1 To .PartyName(lngParty).End

                lngPhraseEnd = IsStartOfBusinessDesignation(i)
                If lngPhraseEnd > 0 Then

                    For j = lngPhraseEnd + 1 To .PartyName(lngParty).End
                        lngSecondPhraseEnd = IsStartOfBusinessDesignation(j)
                        If lngSecondPhraseEnd > 0 Then

                            If ActiveDoc.Words(j - 1) = "," Then
                                lngDeleteStart = j - 1
                            Else
                                lngDeleteStart = j
                            End If

                            Call ErrorForm.LoadError("CaseName CheckBusinessFirmDesignation", j, lngSecondPhraseEnd, ActiveDoc.Words(i, lng
PhraseEnd))
                            If Not ErrorForm.IgnoreError Then
                                Call ErrorForm.Suggestion.Delete(lngDeleteStart, lngSecondPhraseEnd)
                                Call ErrorForm.Activate
                                Exit For
                            End If

                        End If

                    Next j
                End If

            Next i
        Next lngParty

    End With

End Sub

Private Function IsStartOfBusinessDesignation(WordNumber As Long) As Long

    IsStartOfBusinessDesignation = IsStartOfPhrase(WordNumber, "inc", True)
    If IsStartOfBusinessDesignation = 0 Then IsStartOfBusinessDesignation = IsStartOfPhrase(WordNumber, "incorporated", True)
    If IsStartOfBusinessDesignation = 0 Then IsStartOfBusinessDesignation = IsStartOfPhrase(WordNumber, "inc", True)
    If IsStartOfBusinessDesignation = 0 Then IsStartOfBusinessDesignation = IsStartOfPhrase(WordNumber, "limited", True)
    If IsStartOfBusinessDesignation = 0 Then IsStartOfBusinessDesignation = IsStartOfPhrase(WordNumber, "ltd", True)
    If IsStartOfBusinessDesignation = 0 Then IsStartOfBusinessDesignation = IsStartOfPhrase(WordNumber, "brothers", True)
    If IsStartOfBusinessDesignation = 0 Then IsStartOfBusinessDesignation = IsStartOfPhrase(WordNumber, "bros", True)
    If IsStartOfBusinessDesignation = 0 Then IsStartOfBusinessDesignation = IsStartOfPhrase(WordNumber, "association", True)
    If IsStartOfBusinessDesignation = 0 Then IsStartOfBusinessDesignation = IsStartOfPhrase(WordNumber, "assn", True)
    If IsStartOfBusinessDesignation = 0 Then IsStartOfBusinessDesignation = IsStartOfPhrase(WordNumber, "assoc", True)
    If IsStartOfBusinessDesignation = 0 Then IsStartOfBusinessDesignation = IsStartOfPhrase(WordNumber, "rr", True)
```

```
    If IsStartOfBusinessDesignation = 0 Then IsStartOfBusinessDesignation = IsStartOfPhrase(WordNumber, "ry", True)
    If IsStartOfBusinessDesignation = 0 Then IsStartOfBusinessDesignation = IsStartOfPhrase(WordNumber, "corp", True)
    If IsStartOfBusinessDesignation = 0 Then IsStartOfBusinessDesignation = IsStartOfPhrase(WordNumber, "co", True)
    If IsStartOfBusinessDesignation = 0 Then IsStartOfBusinessDesignation = IsStartOfPhrase(WordNumber, "na", True)
    If IsStartOfBusinessDesignation = 0 Then IsStartOfBusinessDesignation = IsStartOfPhrase(WordNumber, "fsb", True)

End Function

Private Sub CheckUnion()

    '-- Rule 10.2.1(i): If a party's name has a word indicating a union designation, then suggest that the user consult
    '   Rule 10.2.1(i) to ensure that it complies with that rule.

    Dim lngParty As Long
    Dim i As Long
    Dim strWordTrim As String


    With Citation.CaseNameClause
        For lngParty = 1 To .PartiesCount
            For i = .PartyName(lngParty).Start To .PartyName(lngParty).End
                strWordTrim = ActiveDoc.Words.WordsTrim(i)
                If strWordTrim = "local" _
                Or strWordTrim = "union" _
                Or strWordTrim = "international" _
                Or strWordTrim = "brotherhood" Then

                    Call ErrorForm.LoadError("CaseName CheckUnion", .PartyName(lngParty).Start, .PartyName(lngParty).End)
                    If Not ErrorForm.IgnoreError Then
                        Call ErrorForm.Activate
                    End If

                End If
            Next i
        Next lngParty
    End With

End Sub

Private Sub CheckCIR()

    '-- Rule 10.2.1(j): If a party's name starts with "C.I.R." or "Commissioner of Internal Revenue," then suggest changing the
    '   phrase to "Commissioner."
    '>> CIR v. Jones, 200 U.S. 205, 210 (1980)

    Dim lngParty As Long
    Dim lngPartyStart As Long
    Dim lngPhraseEnd As Long


    With Citation.CaseNameClause
        For lngParty = 1 To .PartiesCount

            lngPartyStart = .PartyName(lngParty).Start
            lngPhraseEnd = IsStartOfPhrase(lngPartyStart, "cir", True)
            If lngPhraseEnd = 0 Then lngPhraseEnd = IsStartOfPhrase(lngPartyStart, "commissionerofinternalrevenue", True)

            If lngPhraseEnd > 0 Then

                Call ErrorForm.LoadError("CaseName CIR", lngPartyStart, lngPhraseEnd)
                If Not ErrorForm.IgnoreError Then
                    Call ErrorForm.Suggestion.Change(lngPartyStart, lngPhraseEnd, "Commissioner")
                    Call ErrorForm.Activate
                End If
            End If

        Next lngParty
    End With

End Sub

Private Sub CheckShouldAbbreviate()

    '-- Rule 10.2.2: If one party's name contains a full word from Table 6 or 10, or the full name of a jurisdiction,
    '   and the word is not the first word of the name of the party, then suggest replacing the word with its abbreviation.
    '>> University of Minnesota v. Jones, 200 U.S. 205, 210 (1980).

    Dim lngParty As Long
    Dim i As Long
    Dim strMatchingAbrv As String
    Dim lngNameEnd As Long


    With Citation.CaseNameClause

        For lngParty = 1 To .PartiesCount
            For i = .PartyName(lngParty).Start + 1 To .PartyName(lngParty).End

                strMatchingAbrv = AbrvForFullName(i, .PartyName(lngParty).End, lngNameEnd)
                If strMatchingAbrv <> "" And strMatchingAbrv <> "U.S." Then

                    Call ErrorForm.LoadError("CaseName ShouldAbbreviate", i, lngNameEnd)
                    If Not ErrorForm.IgnoreError Then
                        Call ErrorForm.Suggestion.Change(i, lngNameEnd, strMatchingAbrv)
                        Call ErrorForm.Activate
                    End If

                End If

            Next i
        Next lngParty
```

```
    End With

End Sub

Private Sub CheckUnitedStates()

    '-- Rule 10.2.2: If "United States" is abbreviated, suggest changing it to "United States."
    '>> JonesCo of U.S. v. Smith, 200 U.S. 205, 210 (1980)

    Dim lngParty As Long
    Dim i As Long
    Dim lngPhraseEnd As Long


    With Citation.CaseNameClause

        For lngParty = 1 To .PartiesCount
            For i = .PartyName(lngParty).Start To .PartyName(lngParty).End
                lngPhraseEnd = IsStartOfPhrase(i, "us", True)
                If lngPhraseEnd > 0 Then

                    Call ErrorForm.LoadError("CaseName UnitedStates", i, lngPhraseEnd)
                    If Not ErrorForm.IgnoreError Then
                        Call ErrorForm.Suggestion.Change(i, lngPhraseEnd, "United States")
                        Call ErrorForm.Activate
                    End If

                End If

            Next i
        Next lngParty

    End With

End Sub


'Private Sub CheckAbbreviation()
'
'    Dim i As Long
'    Dim abrMatch As cAbbreviation
'    Dim bolKnownAbrv As Boolean
'    Dim lngPhraseEnd As Long
'
'    If Citation.Words.IsAbbreviation(WordNumber) Then
'
'        ' ****************************************************************************
'        ' If the case name contains an abbreviation from Table 6 or Table 10 that is
'        ' punctuated incorrectly, suggest replacing it with the correct punctuation.
'        ' ****************************************************************************
'
'        bolKnownAbrv = False
'        Set abrMatch = gTable6.MatchAbrv(WordNumber, , lngPhraseEnd)
'        If Not (abrMatch Is Nothing) Then
'            If Not Citation.Words(WordNumber, lngPhraseEnd) = abrMatch.FullNameTrim Then
'
'                bolKnownAbrv = True
'                If Not Citation.Words.IsMatch(Exact, abrMatch.AbrvName, WordNumber) Then
'                    Suggestion.FormattedText = Citation.FormattedText
'                    Call Suggestion.ReplaceWords(WordNumber, lngPhraseEnd, abrMatch.AbrvName)
'                    Call mDisplayError.Change("T.6 Misspelled Abrv", WordNumber, lngPhraseEnd)
'                    If gbolStartOver = True Then Exit Sub
'                End If
'
'            End If
'        End If
'
'        Set abrMatch = gTable10.MatchAbrv(WordNumber, , lngPhraseEnd)
'        If Not (abrMatch Is Nothing) Then
'            If Not Citation.Words(WordNumber, lngPhraseEnd) = abrMatch.FullNameTrim Then
'
'                bolKnownAbrv = True
'                If Not Citation.Words.IsMatch(Exact, abrMatch.AbrvName, WordNumber) Then
'                    Suggestion.FormattedText = Citation.FormattedText
'                    Call Suggestion.ReplaceWords(WordNumber, lngPhraseEnd, abrMatch.AbrvName)
'                    Call mDisplayError.Change("T.10 Misspelled Abrv", WordNumber, lngPhraseEnd)
'                    If gbolStartOver = True Then Exit Sub
'                End If
'
'            End If
'        End If
'
'
'        ' ****************************************************************************
'        ' If the case name contains an unknown abbreviation, call it to the user's
'        ' attention.
'        ' ****************************************************************************
'
'        If bolKnownAbrv = False Then
'
'            For i = WordNumber - 1 To WordNumber - 6 Step -1
'                Set abrMatch = gAllAbbreviations.MatchAbrv(i, , lngPhraseEnd)
'                If Not (abrMatch Is Nothing) Then
'                    If lngPhraseEnd >= WordNumber Then bolKnownAbrv = True
'                    Exit For
'                End If
'            Next i
'
```

```
'            If bolKnownAbrv = False Then
'                Call mDisplayError.UserChange("10.2.2 Unknown Abrv", WordNumber, WordNumber)
'                If gbolStartOver = True Then Exit Sub
'            End If
'
'        End If
'
'    End If
'
'End Sub
'

Private Sub CheckImproperAbbreviation(WordNumber As Long, EndOfPartyName As Long, ErrorKey As String)

    Dim colFullNames As Collection
    Dim lngEndOfAbrv As Long
    Dim varFullName As Variant
    Dim strErrorKey As String


    '-- Does a party's name begin with a recognized abbeviation?
    Set colFullNames = FullNamesForAbrvs(WordNumber, EndOfPartyName, lngEndOfAbrv)
    If colFullNames.Count > 0 Then

        If colFullNames.Count = 1 Then
            strErrorKey = ErrorKey & " 2"
        Else
            strErrorKey = ErrorKey & " 3"
        End If

        Call ErrorForm.LoadError(strErrorKey, WordNumber, lngEndOfAbrv)
        If Not ErrorForm.IgnoreError Then
            For Each varFullName In colFullNames
                Call ErrorForm.Suggestion.Change(WordNumber, lngEndOfAbrv, varFullName)
                Call ErrorForm.DisplaySuggestion
            Next varFullName
            Call ErrorForm.Activate
            Exit Sub
        End If

    End If

    '-- Does a party's name begin with a phrase that looks like an abbreviation, but wasn't identified above?
    lngEndOfAbrv = IsApparentAbrv(WordNumber, EndOfPartyName)
    If lngEndOfAbrv > 0 Then

        Call ErrorForm.LoadError(ErrorKey & " 1", WordNumber, lngEndOfAbrv)
        If Not ErrorForm.IgnoreError Then
            Call ErrorForm.Activate
            Exit Sub
        End If

    End If

End Sub


Private Function IsStartOfPhrase(FirstWord As Long, PhraseTrim As String, IncludeTrailingPeriod As Boolean) As Long

    Dim lngFirstWord As Long
    Dim lngLastWord As Long
    Dim lngPhraseLength As Long
    Dim lngCaseClauseEnd As Long
    Static strPhrases() As String


    If ActiveDoc.Words.WordsTrim(FirstWord) = "" Then Exit Function

    lngCaseClauseEnd = Citation.CaseNameClause.ClauseEnd
    If Not mbolStartOfPhraseInitialized Then
        ReDim strPhrases(Citation.CaseNameClause.ClauseStart To lngCaseClauseEnd, 1 To 10)
        For lngFirstWord = Citation.CaseNameClause.PartyName(1).Start To lngCaseClauseEnd

            For lngPhraseLength = 1 To 10
                lngLastWord = lngFirstWord + lngPhraseLength - 1
                If lngLastWord > lngCaseClauseEnd Then Exit For
                strPhrases(lngFirstWord, lngPhraseLength) = ActiveDoc.Words.WordsTrim(lngFirstWord, lngLastWord)
            Next lngPhraseLength

        Next lngFirstWord
        mbolStartOfPhraseInitialized = True
    End If

    For lngPhraseLength = 1 To 10
        If strPhrases(FirstWord, lngPhraseLength) = PhraseTrim Then
            IsStartOfPhrase = FirstWord + lngPhraseLength - 1
            If IncludeTrailingPeriod = True Then
                If ActiveDoc.Words(IsStartOfPhrase + 1) = "." Then IsStartOfPhrase = IsStartOfPhrase + 1
            End If
            Exit For
        End If
    Next lngPhraseLength

End Function

Private Function IsApparentAbrv(WordNumber As Long, EndOfPartyName As Long) As Long

    Dim strWord As String
    Dim strNextWord As String
```

```
    If ActiveDoc.Words.WordsTrim(WordNumber) <> "" Then

        strWord = ActiveDoc.Words(WordNumber)
        strNextWord = ActiveDoc.Words(WordNumber + 1)
        If ActiveDoc.Words.SpacesAfterWord(WordNumber) = 0 And ActiveDoc.Words(WordNumber + 1) = "." Then
            IsApparentAbrv = WordNumber
            Do While ActiveDoc.Words.SpacesAfterWord(IsApparentAbrv) = 0 And IsApparentAbrv <= EndOfPartyName
                IsApparentAbrv = IsApparentAbrv + 1
            Loop
        ElseIf strWord = UCase(strWord) And Len(strWord) > 1 Then
            IsApparentAbrv = WordNumber
        ElseIf strNextWord = "'" Then
            If ActiveDoc.Words.SpacesAfterWord(WordNumber + 1) = 0 And Not (ActiveDoc.Words(WordNumber + 2) = "s") Then
                IsApparentAbrv = WordNumber + 2
            End If
        End If

    End If

End Function

Private Function FullNamesForAbrvs(WordNumber As Long, EndOfPartyName As Long, Optional EndOfAbrv As Long) As Collection

    Dim lngLastWord As Long
    Dim strPhraseTrim As String
    Dim lngEndOfMatch As Long
    Dim lngLongestMatch As Long
    Dim bcAbrv As cAbbreviation
    Dim bcJurisdiction As cJurisdiction


    Set FullNamesForAbrvs = New Collection
    If Not (ActiveDoc.Words.WordsTrim(WordNumber) = "") Then

        For lngLastWord = WordNumber + 9 To WordNumber Step -1
            If lngLastWord <= EndOfPartyName Then
                If ActiveDoc.Words.WordsTrim(lngLastWord) <> "" Then

                    strPhraseTrim = ActiveDoc.Words.WordsTrim(WordNumber, lngLastWord)

                    For Each bcAbrv In AbrvsAll
                        If strPhraseTrim = bcAbrv.AbrvNameTrim Then
                            If bcAbrv.AbrvName <> bcAbrv.FullName Then
                                FullNamesForAbrvs.Add bcAbrv.FullName
                                EndOfAbrv = lngLastWord
                            End If
                        End If
                    Next bcAbrv

                    For Each bcJurisdiction In Jurisdictions
                        If strPhraseTrim = bcJurisdiction.AbrvNameTrim Then
                            If bcJurisdiction.AbrvName <> bcJurisdiction.FullName Then
                                FullNamesForAbrvs.Add bcJurisdiction.FullName
                                EndOfAbrv = lngLastWord
                            End If
                        End If
                    Next bcJurisdiction

                    If FullNamesForAbrvs.Count > 0 Then
                        If ActiveDoc.Words(EndOfAbrv + 1) = "." Then EndOfAbrv = EndOfAbrv + 1
                        Exit Function
                    End If

                End If
            End If
        Next lngLastWord

    End If

End Function

Private Function AbrvForFullName(WordNumber As Long, EndOfPartyName As Long, Optional EndOfFullName As Long) As String

    Dim lngLastWord As Long
    Dim bcAbrv As cAbbreviation
    Dim lngLongestMatch As Long
    Dim strPhraseTrim As String
    Dim bcJurisdiction As cJurisdiction


    If Not (ActiveDoc.Words.WordsTrim(WordNumber) = "") Then

        For lngLastWord = WordNumber + 9 To WordNumber Step -1
            If lngLastWord <= EndOfPartyName And ActiveDoc.Words.WordsTrim(lngLastWord) <> "" Then

                strPhraseTrim = ActiveDoc.Words.WordsTrim(WordNumber, lngLastWord)

                For Each bcAbrv In AbrvsAll
                    If bcAbrv.HasAbbreviation Then
                        If strPhraseTrim = bcAbrv.FullNameTrim Then
                            If bcAbrv.AbrvName <> bcAbrv.FullName Then
                                AbrvForFullName = bcAbrv.AbrvName
                                EndOfFullName = lngLastWord
                                Exit Function
                            End If
                        End If
                    End If
                Next bcAbrv

                For Each bcJurisdiction In Jurisdictions
```

```
                    If strPhraseTrim = bcJurisdiction.FullNameTrim Then
                        If bcJurisdiction.AbrvName <> bcJurisdiction.FullName Then
                            AbrvForFullName = bcJurisdiction.AbrvName
                            EndOfFullName = lngLastWord
                            Exit Function
                        End If
                    End If
                Next bcJurisdiction

            End If
        Next lngLastWord

    End If

End Function

Private Function LocateWord(SearchFrom As Long, SearchTo As Long, SearchAsTrim As Boolean, ParamArray SearchFor()) As Long

    Dim lngStep As Long
    Dim lngWord As Long
    Dim strWord As String
    Dim varSearchForWord As Variant


    If SearchTo > SearchFrom Then
        lngStep = 1
    Else
        lngStep = -1
    End If

    For lngWord = SearchFrom To SearchTo Step lngStep
        If SearchAsTrim Then
            strWord = ActiveDoc.Words.WordsTrim(lngWord)
        Else
            strWord = ActiveDoc.Words.Words(lngWord)
        End If
        For Each varSearchForWord In SearchFor
            If strWord = varSearchForWord Then
                LocateWord = lngWord
                Exit Function
            End If
        Next varSearchForWord
    Next lngWord

End Function

Private Function JurisdictionAtWord(FirstWord As Long, Optional EndOfPhrase As Long) As cJurisdiction

    Dim i As Long
    Dim lngClauseEnd As Long


    If ActiveDoc.Words.WordsTrim(FirstWord) = "" Then Exit Function

    lngClauseEnd = Citation.CaseNameClause.ClauseEnd
    For i = FirstWord + 11 To FirstWord Step -1
    If i <= lngClauseEnd Then
        If Not ActiveDoc.Words.WordsTrim(i) = "" Then
            Set JurisdictionAtWord = Jurisdictions.Item(ActiveDoc.Words.WordsTrim(FirstWord, i), True, False, False)

            If Not JurisdictionAtWord Is Nothing Then
                If ActiveDoc.Words(i + 1) = "." Then
                    EndOfPhrase = i + 1
                Else
                    EndOfPhrase = i
                End If
                Exit For
            End If

        End If
    End If
    Next i

End Function
```

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```
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Option Explicit

Public Sub CheckClauseOrder()

    Call CheckReporterClausePosition
    If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub

    Call CheckJurisdictionPosition
    If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub

    Call CheckCourtPosition
    If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub

    Call CheckDatePosition
    If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub

End Sub

Private Sub CheckReporterClausePosition()

    '-- If the first reporter clause does not follow the case name clause, then suggest moving all contiguous reporter clauses to
    '   follow the case name clause.

    Dim bcFirstReporterClause As IClause
    Dim bcLastReporterClause As IClause
    Dim bcCaseNameClause As IClause
    Dim lngMoveToPosition As Long


    If Citation.ReporterClauses.Count > 0 Then
        Set bcFirstReporterClause = Citation.ReporterClauses(1)

        If Not (Citation.CaseNameClause Is Nothing) Then
            Set bcCaseNameClause = Citation.CaseNameClause

            If Not (bcCaseNameClause.NextClause Is bcFirstReporterClause) Then

                Set bcLastReporterClause = Citation.ReporterClauses(1)
                Do While Not (bcLastReporterClause.NextClause Is Nothing)
                    If TypeOf bcLastReporterClause.NextClause Is cClauseReporter Then
                        Set bcLastReporterClause = bcLastReporterClause.NextClause
                    Else
                        Exit Do
                    End If
                Loop

                If ActiveDoc.Words(bcCaseNameClause.ClauseEnd + 1) = "," Then
                    lngMoveToPosition = bcCaseNameClause.ClauseEnd + 2
                Else
                    lngMoveToPosition = bcCaseNameClause.ClauseEnd + 1
                End If

                Call ErrorForm.LoadError("ClauseOrder CheckReporterPosition", bcFirstReporterClause.ClauseStart, bcLastReporterClause.Claus
eEnd)

                If Not ErrorForm.IgnoreError Then
                    Call ErrorForm.Suggestion.Transpose(bcFirstReporterClause.ClauseStart, bcLastReporterClause.ClauseEnd, lngMoveToPositio
n)

                    Call ErrorForm.Activate
                End If

            End If

        End If
    End If

End Sub

Private Sub CheckJurisdictionPosition()

    '-- If the jurisdiction is not the first word in the court date clause, suggest moving it to the correct position.

    Dim bcExpectedPriorClause As IClause
    Dim bolMoveCourt As Boolean
    Dim bolMoveDate As Boolean
    Dim lngMoveToPosition As Long


    If Not (Citation.JurisdictionClause Is Nothing) Then

        '-- Determine which clause should preceed the jurisdiction clause (usually the last reporter clause, but, if there is no
        '   reporter clause, then the case name clause.)

        If Citation.ReporterClauses.Count > 0 Then
            Set bcExpectedPriorClause = Citation.ReporterClauses(Citation.ReporterClauses.Count)
        ElseIf Not (Citation.CaseNameClause Is Nothing) Then
            Set bcExpectedPriorClause = Citation.CaseNameClause
        End If

        '-- Check whether the jurisdiction clause is in the correct position.
        If Not (bcExpectedPriorClause Is Nothing) Then
            If Not (bcExpectedPriorClause.NextClause Is Citation.JurisdictionClause) Then

                '-- Does the court clause follow the jurisdiction clause?
                If Citation.JurisdictionClause.NextClause Is Citation.CourtClause Then
                    If Not InStr(ActiveDoc.Words(Citation.JurisdictionClause.JurEnd + 1, Citation.CourtClause.CourtStart - 1), ")") Then
                        bolMoveCourt = True
                    End If
                End If
```

```
                '-- Does the date clause follow the court clause?
                If bolMoveCourt = True Then
                    If Citation.CourtClause.NextClause Is Citation.DateClause Then
                        If Not InStr(ActiveDoc.Words(Citation.CourtClause.CourtEnd + 1, Citation.DateClause.DateStart - 1), ")") Then
                            bolMoveDate = True
                        End If
                    End If

                '-- Does the date clause follow the jurisdiction clause?
                Else
                    If Citation.JurisdictionClause.NextClause Is Citation.DateClause Then
                        If Not InStr(ActiveDoc.Words(Citation.CourtClause.CourtEnd + 1, Citation.DateClause.DateStart - 1), ")") Then
                            bolMoveDate = True
                        End If
                    End If
                End If

                lngMoveToPosition = bcExpectedPriorClause.ClauseEnd + 1
                If ActiveDoc.Words(lngMoveToPosition) = "," Then lngMoveToPosition = lngMoveToPosition + 1
                If ActiveDoc.Words(lngMoveToPosition) = "(" Then lngMoveToPosition = lngMoveToPosition + 1

                If bolMoveDate = True Then
                    '>> Jones v. Smith (Minn. Ct. App. 1990), 123 N.W.2d 456

                    Call ErrorForm.LoadError("Dec JurisdictionPos A", Citation.JurisdictionClause.JurStart, Citation.DateClause.DateEnd)
                    If Not ErrorForm.IgnoreError Then
                        Call ErrorForm.Suggestion.Transpose(Citation.JurisdictionClause.JurStart, Citation.DateClause.DateEnd, lngMoveToPos
ition)
                        Call ErrorForm.Activate
                    End If

                ElseIf bolMoveCourt = True Then
                    '>> Jones v. Smith, Minn. Ct. App., 123 N.W.2d 456 (1990)

                    Call ErrorForm.LoadError("Dec JurisdictionPos B", Citation.JurisdictionClause.JurStart, Citation.CourtClause.CourtEnd)
                    If Not ErrorForm.IgnoreError Then
                        Call ErrorForm.Suggestion.Transpose(Citation.JurisdictionClause.JurStart, Citation.CourtClause.CourtEnd, lngMoveToP
osition)
                        Call ErrorForm.Activate
                    End If

                Else
                    '>> Jones v. Smith, Minn., 123 N.W.2d 456 (Ct. App. 1990)

                    Call ErrorForm.LoadError("Dec JurisdictionPos C", Citation.JurisdictionClause.JurStart, Citation.JurisdictionClause.Jur
End)
                    If Not ErrorForm.IgnoreError Then
                        Call ErrorForm.Suggestion.Transpose(Citation.JurisdictionClause.JurStart, Citation.JurisdictionClause.JurEnd, lngMo
veToPosition)
                        Call ErrorForm.Activate
                    End If

                End If

            End If
        End If

    End If

End Sub

Private Sub CheckCourtPosition()

    '-- If the court does not follow the jurisdiction or last reporter, then suggest moving it to the correct position.

    Dim bcExpectedPriorClause As IClause
    Dim bolMoveDate As Boolean
    Dim lngMoveToPosition As Long


    If Not (Citation.CourtClause Is Nothing) Then

        '-- Determine which clause should preceed the jurisdiction clause (usually the last reporter clause, but, if there is no
        '   reporter clause, then the case name clause.)

        If Not (Citation.JurisdictionClause Is Nothing) Then
            Set bcExpectedPriorClause = Citation.JurisdictionClause
        ElseIf Citation.ReporterClauses.Count > 0 Then
            Set bcExpectedPriorClause = Citation.ReporterClauses(Citation.ReporterClauses.Count)
        End If

        '-- Check whether the jurisdiction clause is in the correct position.
        If Not (bcExpectedPriorClause Is Nothing) Then
            If Not (bcExpectedPriorClause.NextClause Is Citation.CourtClause) Then

                '-- Does the date clause follow the court clause?
                If Citation.CourtClause.NextClause Is Citation.DateClause Then
                    If Not InStr(ActiveDoc.Words(Citation.CourtClause.CourtEnd, Citation.DateClause.DateStart - 1), ")") Then
                        bolMoveDate = True
                    End If
                End If

                lngMoveToPosition = bcExpectedPriorClause.ClauseEnd + 1
                If ActiveDoc.Words(lngMoveToPosition) = "," Then lngMoveToPosition = lngMoveToPosition + 1
                If ActiveDoc.Words(lngMoveToPosition) = "(" Then lngMoveToPosition = lngMoveToPosition + 1

                If bolMoveDate = True Then
                    '>> Jones v. Smith (2d Cir. 1980), 123 F.2d 456

                    Call ErrorForm.LoadError("Dec CourtPos A", Citation.CourtClause.CourtStart, Citation.DateClause.DateEnd)
                    If Not ErrorForm.IgnoreError Then
```

```
                    Call ErrorForm.Suggestion.Transpose(Citation.CourtClause.CourtStart, Citation.DateClause.DateEnd, lngMoveToPosition
)
                    Call ErrorForm.Activate
                End If

            Else
                '>> Jones v. Smith, 2d Cir., 123 F.2d 456 (1980)

                Call ErrorForm.LoadError("Dec CourtPos B", Citation.CourtClause.CourtStart, Citation.CourtClause.CourtEnd)
                If Not ErrorForm.IgnoreError Then
                    Call ErrorForm.Suggestion.Transpose(Citation.CourtClause.CourtStart, Citation.CourtClause.CourtEnd, lngMoveToPositi
on)
                    Call ErrorForm.Activate
                End If

            End If

        End If
    End If

End If

End Sub

Private Sub CheckDatePosition()

    '-- If the date clause does not follow the court clause, jurisdiction clause or last reporter, then suggest moving it to
    '   the correct position.
    '>> Jones v. Smith, 1980, 123 F.2d 456 (2d Cir.)

    Dim bcExpectedPriorClause As IClause
    Dim lngMoveToPosition As Long


    If Not (Citation.DateClause Is Nothing) Then

        '-- Determine which clause should preceed the jurisdiction clause (usually the last reporter clause, but, if there is no
        '   reporter clause, then the case name clause.)

        If Not (Citation.CourtClause Is Nothing) Then
            Set bcExpectedPriorClause = Citation.CourtClause
        ElseIf Not (Citation.JurisdictionClause Is Nothing) Then
            Set bcExpectedPriorClause = Citation.JurisdictionClause
        ElseIf Citation.ReporterClauses.Count > 0 Then
            Set bcExpectedPriorClause = Citation.ReporterClauses(Citation.ReporterClauses.Count)
        End If

        '-- Check whether the jurisdiction clause is in the correct position.
        If Not (bcExpectedPriorClause Is Nothing) Then
            If Not (bcExpectedPriorClause.NextClause Is Citation.DateClause) Then

                lngMoveToPosition = bcExpectedPriorClause.ClauseEnd + 1
                If ActiveDoc.Words(lngMoveToPosition) = "," Then lngMoveToPosition = lngMoveToPosition + 1
                If ActiveDoc.Words(lngMoveToPosition) = "(" Then lngMoveToPosition = lngMoveToPosition + 1

                Call ErrorForm.LoadError("Dec DatePos", Citation.DateClause.DateStart, Citation.DateClause.DateEnd)
                If Not ErrorForm.IgnoreError Then
                    Call ErrorForm.Suggestion.Transpose(Citation.DateClause.DateStart, Citation.DateClause.DateEnd, lngMoveToPosition)
                    Call ErrorForm.Activate
                End If

            End If
        End If

    End If

End Sub
```

```
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Option Explicit

Public Sub CheckDate()

    Call CheckDateFormatting
    If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub

    Call CheckMissingDate
    If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub

End Sub

Private Sub CheckDateFormatting()

    '-- If the date clause specifies the month and date, but the date is formatted incorrectly, then suggest replacing the
    '   date clause with a date in the correct format.

    '!! TO DO: When support for unpublished reporters is added, check whether a full date is being used for a citation that
    '   requires only a year, or a year is being used for a citation that requries a full date.

    Dim strDateCorrectFormat As String
    Dim strDateAndYearOnly As String
    Dim strMonthLong As String
    Dim strMonthBluebook As String


    '-- Run this subroutine only if the date is a long date (not just a year), so it is longer than one word.

    If Not (Citation.DateClause Is Nothing) Then
        If Citation.DateClause.DateEnd > Citation.DateClause.DateStart Then

            '-- Check whether the date is formatted correctly.

            strDateCorrectFormat = DateBluebookFormat(Citation.DateClause.FullDate)
            If Citation.DateClause.Text <> strDateCorrectFormat Then

                strDateAndYearOnly = Format$(Citation.DateClause.Text, " d, yyyy")
                strMonthBluebook = MonthBluebookFormat(Citation.DateClause.FullDate)
                strMonthLong = Format$(Citation.DateClause.FullDate, "mmmm")

                '-- Check whether the month is formatted incorrectly and the remainder of the date is formatted correctly. If the only
                '   problem is that the month is abbreviated incorrectly, then offer a specific error message suggesting only to
                '   replace the month and showing the table of correct abbreviations for months.

                If Right$(Citation.DateClause.Text, Len(strDateAndYearOnly)) = strDateAndYearOnly _
                And Not (strMonthBluebook = ActiveDoc.Words(Citation.DateClause.DateStart) _
                Or strMonthBluebook = ActiveDoc.Words(Citation.DateClause.DateStart, Citation.DateClause.DateStart + 1)) Then

                    '-- Display a different error message based on whether the Bluebook-formatted month is abbreviated or
                    '   is not abbreviated.

                    If ActiveDoc.Words(Citation.DateClause.DateStart + 1) = "." Then

                        '>> Jones v. Smith, 123 N.W.2d 456 (Minn. Jun. 10, 1980)
                        Call ErrorForm.LoadError("Dec DateFormatting A", Citation.DateClause.DateStart, Citation.DateClause.DateEnd, strMon
thLong, strMonthBluebook)
                        If Not ErrorForm.IgnoreError Then
                            Call ErrorForm.Suggestion.Change(Citation.DateClause.DateStart, Citation.DateClause.DateEnd, strDateCorrectForm
at)

                            Call ErrorForm.Activate
                        End If

                    Else

                        '>> Jones v. Smith, 123 N.W.2d 456 (Minn. August 10, 1980)
                        Call ErrorForm.LoadError("Dec DateFormatting B", Citation.DateClause.DateStart, Citation.DateClause.DateEnd, strMon
thLong, strMonthBluebook)
                        If Not ErrorForm.IgnoreError Then
                            Call ErrorForm.Suggestion.Change(Citation.DateClause.DateStart, Citation.DateClause.DateEnd, strDateCorrectForm
at)
                            Call ErrorForm.Activate
                        End If

                    End If

                '-- Otherwise, raise a general error suggesting that the entire date clause be replaced with the correctly-formatted
                '   date.
                '>> Jones v. Smith, 123 N.W.2d 456 (Minn. 6/10/1980)

                Else

                    Call ErrorForm.LoadError("Dec DateFormatting C", Citation.DateClause.DateStart, Citation.DateClause.DateEnd)
                    If Not ErrorForm.IgnoreError Then
                        Call ErrorForm.Suggestion.Change(Citation.DateClause.DateStart, Citation.DateClause.DateEnd, strDateCorrectFormat)
                        Call ErrorForm.Activate
                    End If

                End If

            End If

        End If
    End If

End Sub

Private Function DateBluebookFormat(SourceDate As Variant) As String

    '-- From the supplied date, returns a string with the date formatted in the correct Bluebook format -- e.g, "Aug. 3, 1970".
```

```
    Dim strDateLongMonth As String
    Dim strMonthLong As String
    Dim strMonthBluebook As String


    ' -- First, format the string into "August 3, 1970" format using the Format function.

    strDateLongMonth = Format$(SourceDate, "mmmm d, yyyy")

    '-- Next, replace the long month with the correct abbreviation for the month. E.g., "August" with "Aug."

    strMonthLong = Format$(SourceDate, "mmmm")
    strMonthBluebook = MonthBluebookFormat(SourceDate)
    If strMonthLong <> strMonthBluebook Then
        DateBluebookFormat = Replace(strDateLongMonth, strMonthLong, strMonthBluebook)
    Else
        DateBluebookFormat = strDateLongMonth
    End If

End Function

Private Function MonthBluebookFormat(SourceDate As Variant) As String

    '-- Returns the correct Bluebook abbreviation for a given month. (See Bluebook page 298.)

    Dim lngMonth As Long

    lngMonth = CLng(Month(SourceDate))
    MonthBluebookFormat = Choose(lngMonth, "Jan.", "Feb.", "Mar.", "Apr.", "May", "June", "July", "Aug.", "Sept.", "Oct.", "Nov.", "Dec.")

End Function

Private Sub CheckMissingDate()

    '-- If there is no date clause, suggest inserting a placeholder for the year.
    '>> Jones v. Smith, 123 N.W.2d 456 (Minn. Ct. App.)

    '!! TO DO: When I add support for nonpublished cases, the program should suggest adding a placeholder for unpublished cases
    '   in the full date (mmm dd, yyyy) format.


    If Citation.DateClause Is Nothing Then

        Call ErrorForm.LoadError("Dec MissingDate", 0, 0)
        If Not ErrorForm.IgnoreError Then
            If Not (Citation.CourtClause Is Nothing) Then
                Call ErrorForm.Suggestion.Insert(Citation.CourtClause.CourtEnd + 1, "____")
            ElseIf Not (Citation.JurisdictionClause Is Nothing) Then
                Call ErrorForm.Suggestion.Insert(Citation.JurisdictionClause.JurEnd + 1, "____")
            Else
                Call ErrorForm.Suggestion.Insert(AppropriateDatePosition(Citation), "(____)")
            End If
            Call ErrorForm.Activate
        End If

    End If

End Sub
```

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Option Explicit

Public Sub CheckEditor()

    Dim bcReporterClause As cClauseReporter


    For Each bcReporterClause In Citation.ReporterClauses

        Call CheckMissingEditorClause(bcReporterClause)
        If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub

        Call CheckIncorrectEditorAbrv(bcReporterClause)
        If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub

        Call CheckIncorrectEditor(bcReporterClause)
        If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub

        Call CheckIncorrectEditorVolumeNumber(bcReporterClause)
        If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub

        Call CheckMissingMainReporter(bcReporterClause)
        If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub

        Call CheckParallelEditorShouldBeParenthetical(bcReporterClause)
        If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub

    Next bcReporterClause

End Sub

Private Sub CheckMissingEditorClause(CurrentClause As cClauseReporter)

    '-- If the reporter clause should have an editor parenthetical, but doesn't, then suggest inserting an editor parenthetical.
    '>> Jones v. Smith, 40 U.S. 500, 505 (1839)
    '>> Jones v. Smith, 2 Ky. 500, 505 (1803)

    Dim bcExpectedReporter As cReporter
    Dim lngExpectedVolumeNumber As Long


    If CurrentClause.EditorClause Is Nothing Then

        Set bcExpectedReporter = ExpectedEditorReporter(CurrentClause)

        If Not (bcExpectedReporter Is Nothing) Then
            lngExpectedVolumeNumber = ExpectedVolumeNumber(CurrentClause, bcExpectedReporter)

            Call ErrorForm.LoadError("Rep MissingEditorParenthetical", CurrentClause.ClauseStart, CurrentClause.ClauseEnd, ActiveDoc.Words(
CurrentClause.VolumeNumberLocation), CurrentClause.Reporter.FullName, bcExpectedReporter.FullName)
            If Not ErrorForm.IgnoreError Then
                Call ErrorForm.Suggestion.Insert(CurrentClause.AbrvEnd + 1, ParentheticalText(lngExpectedVolumeNumber, bcExpectedReporter))
                Call ErrorForm.Activate
            End If

        End If

    End If

End Sub

Private Sub CheckIncorrectEditorAbrv(CurrentClause As cClauseReporter)

    '-- If the editor reporter is not punctuated or spelled correctly, then suggest correcting it.
    '>> Jones v. Smith, 69 U.S. (2 Walll) 500, 505 (1870)

    If Not (CurrentClause.EditorClause Is Nothing) Then
        With CurrentClause.EditorClause

            If .AbrvText <> .Reporter.AbrvName Then

                Call ErrorForm.LoadError("Rep IncorrectEditorAbrv", .AbrvStart, .AbrvEnd, .Reporter.FullName)
                If Not ErrorForm.IgnoreError Then
                    Call ErrorForm.Suggestion.Change(.AbrvStart, .AbrvEnd, .Reporter.AbrvName)
                    Call ErrorForm.Activate
                End If

            End If

        End With
    End If

End Sub

Private Sub CheckIncorrectEditor(CurrentClause As cClauseReporter)

    '-- If the current clause has an associated editor clause, but the editor clause is not a correct editor for the
    '   current clause, then suggest deleting the editor clause if an editor clause is not required, or changing the editor
    '   to the correct editor if one is required.
    '>> Jones v. Smith, 200 U.S. (10 S. Ct) 500, 505 (1980)
    '>> Jones v. Smith, 50 U.S. (10 S. Ct.) 500, 505 (1805)

    Dim bcExpectedReporter As cReporter
    Dim lngExpectedVolumeNumber As Long


    If Not (CurrentClause.EditorClause Is Nothing) And CurrentClause.VolumeNumber > 0 Then
        With CurrentClause.EditorClause
```

```
            Set bcExpectedReporter = ExpectedEditorReporter(CurrentClause)

            '-- If the reporter should not have an editor clause, then suggest deleting it.
            If bcExpectedReporter Is Nothing Then

                Call ErrorForm.LoadError("Rep IncorrectEditor A", .ClauseStart, .ClauseEnd, .Reporter.FullName, CurrentClause.Reporter.Full
Name)
                If Not ErrorForm.IgnoreError Then
                    Call ErrorForm.Suggestion.Delete(.ClauseStart, .ClauseEnd)
                    Call ErrorForm.Activate
                End If

            '-- If reporter should have an editor clause, but the current editor reporter is incorrect, then suggest changing it.
            ElseIf Not (bcExpectedReporter Is .Reporter) Then
                lngExpectedVolumeNumber = ExpectedVolumeNumber(CurrentClause, bcExpectedReporter)

                Call ErrorForm.LoadError("Rep IncorrectEditor B", .ClauseStart, .ClauseEnd, .Reporter.FullName, CurrentClause.Reporter.Full
Name)
                If Not ErrorForm.IgnoreError Then
                    Call ErrorForm.Suggestion.Change(.ClauseStart, .ClauseEnd, ParentheticalText(lngExpectedVolumeNumber, bcExpectedReporte
r))
                    Call ErrorForm.Activate
                End If

            End If

        End With
    End If

End Sub

Private Sub CheckIncorrectEditorVolumeNumber(CurrentClause As cClauseReporter)

    '-- If the current clause has an editor clause and the volume number does not correspond with the volume number for the
    '   parallel main reporter clause, then suggest correcting the editor clause's volume number.

    Dim lngExpectedVolumeNumber As Long
    Dim strSuggestedChange As String

    If Not (CurrentClause.EditorClause Is Nothing) And CurrentClause.VolumeNumber > 0 Then

        With CurrentClause.EditorClause

            '-- Does the editor clause have the correct editor for this main clause's volume number and reporter?
            If ExpectedEditorReporter(CurrentClause) Is .Reporter Then

                lngExpectedVolumeNumber = ExpectedVolumeNumber(CurrentClause, .Reporter)

                '-- Is the editor clause missing a volume volume when one is required?
                '>> Jones v. Smith, 70 U.S. (Wall.) 500, 505 (1863)
                If .VolumeNumberLocation = 0 And lngExpectedVolumeNumber > 0 Then

                    Call ErrorForm.LoadError("Rep IncorrectEditorVolumeNumber 1", .AbrvStart, .AbrvEnd, .Reporter.FullName)
                    If Not ErrorForm.IgnoreError Then
                        Call ErrorForm.Suggestion.Insert(.AbrvStart, lngExpectedVolumeNumber)
                        Call ErrorForm.Activate
                    End If

                '-- Does the editor clause have a volume number when none is required?
                '>> Jones v. Smith, 2 Ky. (5 Sneed) 500, 505 (1803)
                ElseIf .VolumeNumberLocation > 0 And lngExpectedVolumeNumber = 0 Then

                    Call ErrorForm.LoadError("Rep IncorrectEditorVolumeNumber 2", .VolumeNumberLocation, .VolumeNumberLocation, .Reporter.F
ullName, CurrentClause.Reporter.FullName)
                    If Not ErrorForm.IgnoreError Then
                        Call ErrorForm.Suggestion.Delete(.VolumeNumberLocation, .VolumeNumberLocation)
                        Call ErrorForm.Activate
                    End If

                '-- Is the editor clause's volume number inconsistent with the correct volume number?
                '>> Jones v. Smith, 70 U.S. (5 Wall.) 500, 505 (1863)
                ElseIf .VolumeNumber > 0 And .VolumeNumber <> lngExpectedVolumeNumber Then

                    Call ErrorForm.LoadError("Rep IncorrectEditorVolumeNumber 3", .VolumeNumberLocation, .AbrvEnd, CStr(lngExpectedVolumeNu
mber), .Reporter.FullName, ActiveDoc.Words(CurrentClause.VolumeNumberLocation, CurrentClause.AbrvEnd))
                    If Not ErrorForm.IgnoreError Then
                        strSuggestedChange = lngExpectedVolumeNumber & " " & ActiveDoc.Words(.AbrvStart, .AbrvEnd)
                        Call ErrorForm.Suggestion.Change(.VolumeNumberLocation, .AbrvEnd, strSuggestedChange)
                        Call ErrorForm.Activate
                    End If

                End If

            End If

        End With
    End If

End Sub

Private Sub CheckMissingMainReporter(CurrentClause As cClauseReporter)

    '-- If the citation contains a editor reporter clause but is missing an associated main reporter clause, then suggest
    '   inserting a main reporter clause.
    '>> Jones v. Smith, 10 Wall. 500, 505 (1863)

    Dim bcMainReporter As cReporter
    Dim lngMainVolumeNumber As Long
    Dim bcEditor As cReporter
```

```
    If CurrentClause.Reporter.IsEditorReporter Then

        With CurrentClause

            If MainReporterClause(CurrentClause) Is Nothing Then

                Set bcEditor = .Reporter
                Set bcMainReporter = ExpectedMainReporter(CurrentClause)
                If Not (bcMainReporter Is Nothing) Then
                    lngMainVolumeNumber = .VolumeNumber + (bcEditor.MainReporterVolumeFirst - bcEditor.VolumeStart)

                    Call ErrorForm.LoadError("Rep MissingMainReporter", CurrentClause.ClauseStart, CurrentClause.ClauseEnd, bcEditor.FullNa
me, bcMainReporter.FullName)
                    If Not ErrorForm.IgnoreError Then

                        '-- Suggest adding a main reporter clause with the current editor as a parenthetical.
                        Call ErrorForm.Suggestion.Insert(.ClauseStart, CStr(lngMainVolumeNumber) & " " & bcMainReporter.AbrvName & " (")
                        Call ErrorForm.Suggestion.Insert(.AbrvEnd + 1, ")")
                        Call ErrorForm.DisplaySuggestion

                        '-- Suggest adding the main reporter clause as a parallel citation.
                        Call ErrorForm.Suggestion.Insert(CurrentClause.ClauseStart, CStr(lngMainVolumeNumber) & " " & bcMainReporter.AbrvNa
me & "__,")
                        Call ErrorForm.Activate

                    End If
                End If

            End If

        End With
    End If

End Sub

Private Sub CheckParallelEditorShouldBeParenthetical(ReporterClause As cClauseReporter)

    '-- If the citation has both a main reporter clause and an editor clause as a separate parallel citation, but the editor
    '   clause's pagination is the same as the main reporter clause, then suggest changing the parallel citation to a
    '   parenthetical citation.
    '   Jones v. Smith, 69 U.S. 500, 505, 2 Wall. 500 (1870)


    Dim bcMainReporterClause As cClauseReporter
    Dim strParentheticalText As String


    If ReporterClause.Reporter.IsEditorReporter Then
        With ReporterClause

            Set bcMainReporterClause = MainReporterClause(ReporterClause)
            If Not (bcMainReporterClause Is Nothing) Then
                If .FirstPageNumber > 0 _
                And .FirstPageNumber = bcMainReporterClause.FirstPageNumber Then

                    strParentheticalText = ParentheticalText(.VolumeNumber, .Reporter)

                    Call ErrorForm.LoadError("Rep ParallelEditorShouldBeParenthetical", .ClauseStart, .ClauseEnd, bcMainReporterClause.Repo
rter.FullName, .Reporter.FullName)
                    If Not ErrorForm.IgnoreError Then
                        Call ErrorForm.Suggestion.Delete(.ClauseStart, .ClauseEnd)
                        Call ErrorForm.Suggestion.Insert(bcMainReporterClause.AbrvEnd + 1, strParentheticalText)
                        Call ErrorForm.Activate
                    End If

                End If
            End If

        End With
    End If

End Sub

Private Function ExpectedEditorReporter(MainReporterClause As cClauseReporter) As cReporter

    '-- Identify the correct editor reporter for this main reporter.

    Dim bcEditorReporter As cReporter


    If MainReporterClause.VolumeNumber > 0 Then
        For Each bcEditorReporter In MainReporterClause.Reporter.Editors
            '-- Does this editor have the correct range of volume numbers for the main reporter's volume number?
            If MainReporterClause.VolumeNumber >= bcEditorReporter.MainReporterVolumeFirst And MainReporterClause.VolumeNumber <= bcEditorR
eporter.MainReporterVolumeLast Then
                Set ExpectedEditorReporter = bcEditorReporter
                Exit Function
            End If
        Next bcEditorReporter
    End If

End Function

Private Function ExpectedVolumeNumber(ReporterClause As cClauseReporter, EditorReporter As cReporter) As Long

    '-- Return the volume number for an editor that is expected based on the volume number of the main reporter.

    If ReporterClause.VolumeNumber > 0 Then
        If EditorReporter.VolumeStart = EditorReporter.VolumeEnd Then
            ExpectedVolumeNumber = 0
```

```
        Else
            ExpectedVolumeNumber = ReporterClause.VolumeNumber - EditorReporter.MainReporterVolumeFirst + EditorReporter.VolumeStart
        End If
    End If

End Function

Private Function ExpectedMainReporter(EditorReporterClause As cClauseReporter) As cReporter

    '-- Identify the main reporter that is associated with the supplied editor clause.

    Dim bcReporter As cReporter
    Dim bcEditorReporter As cReporter
    Dim bcCurrentEditor As cReporter


    Set bcCurrentEditor = EditorReporterClause.Reporter
    For Each bcReporter In EditorReporterClause.Reporter.Parent.Reporters
        '-- Does this reporter have any associated editor reporters that matches the current editor reporter?
        For Each bcEditorReporter In bcReporter.Editors
            If bcEditorReporter Is bcCurrentEditor Then
                Set ExpectedMainReporter = bcReporter
                Exit Function
            End If
        Next bcEditorReporter
    Next bcReporter

End Function

Private Function MainReporterClause(EditorReporterClause As cClauseReporter) As cClauseReporter

    '-- Returns the main reporter clause that is associated with this editor reporter clause.

    Dim bcReporterClause As cClauseReporter
    Dim bcEditor As cReporter


    For Each bcReporterClause In Citation.ReporterClauses
        For Each bcEditor In bcReporterClause.Reporter.Editors
            If bcEditor Is EditorReporterClause.Reporter Then
                Set MainReporterClause = bcReporterClause
                Exit Function
            End If
        Next bcEditor
    Next bcReporterClause

End Function

Private Function ParentheticalText(ByVal VolumeNumber As Long, ByVal Editor As cReporter) As String

    '-- Returns the correct volume/editor name combination that should be used in a parenthetical, based on the main
    '-- reporter clause and the editor to be inserted.

    If VolumeNumber = 0 Then
        ParentheticalText = "(" & Editor.AbrvName & ")"
    Else
        ParentheticalText = "(" & VolumeNumber & " " & Editor.AbrvName & ")"
    End If

End Function
```

```
'-- Copyright 2001 by Robert L. Jacobson.

Option Explicit

Public Sub CheckJurAndCourt()

    Call CheckMissingJurisdiction
    If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub

    Call CheckMissingCourt
    If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub

    Call CheckInconsistentJurisdictionAndCourt
    If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub

    Call CheckExtraneousJurisdiction
    If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub

    Call CheckExtraneousCourtAndJurisdiction
    If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub

    Call CheckJurisdictionAndCourtSpelling
    If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub

    Call CheckValidYear
    If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub

End Sub

Private Sub CheckMissingJurisdiction()

    '-- If the jurisdiction could not be determined, then suggest adding a jurisdiction clause for every jurisdiction that is a
    '   good match for the reporters, court clause and date. Also suggest adding a court clause if the court could not be
    '   determined.

    Dim colCompatibleJurisdictions As Collection
    Dim bcJurisdiction  As cJurisdiction
    Dim colCompatibleCourts As Collection
    Dim bcCourt As cCourt


    If Citation.Jurisdiction Is Nothing And Citation.JurisdictionClause Is Nothing Then

        If Not (Citation.CourtClause Is Nothing) Then

        '-- If there is a recognized court clause in the citation, then only suggest adding a jurisdiction.
        '>> Jones v. Smith, 123 N.W.2d 456 (Ct. App. 1980)
        '>> Jones v. Smith, 123 Misc.2d 456 (Ct. Cl. 1980)

            Set colCompatibleJurisdictions = CompatibleJurisdictions
            Select Case colCompatibleJurisdictions.Count
                Case 0
                    Call ErrorForm.LoadError("Dec MissingJurisdiction B1", Citation.CourtClause.CourtStart, Citation.CourtClause.CourtEnd)
                Case 1
                    Call ErrorForm.LoadError("Dec MissingJurisdiction B2", Citation.CourtClause.CourtStart, Citation.CourtClause.CourtEnd)
                Case Is > 1
                    Call ErrorForm.LoadError("Dec MissingJurisdiction B3", Citation.CourtClause.CourtStart, Citation.CourtClause.CourtEnd)
            End Select

            If Not ErrorForm.IgnoreError Then
                For Each bcJurisdiction In colCompatibleJurisdictions
                    Call ErrorForm.Suggestion.Change(Citation.CourtClause.CourtStart, Citation.CourtClause.CourtEnd, bcJurisdiction.AbrvNam
e & " " & Citation.CourtClause.Text)
                    Call ErrorForm.DisplaySuggestion
                Next bcJurisdiction
                Call ErrorForm.Activate
            End If

        Else

        '-- If there is no recognized court clause, then suggest adding a juridsiction clause and court clause.
        '>> Jones v. Smith, 123 N.W.2d 456 (1980)
        '>> Jones v. Smith, 123 A.D.2d 456 (1980)

            Set colCompatibleCourts = CompatibleCourts
            Select Case colCompatibleCourts.Count
                Case 0
                    Call ErrorForm.LoadError("Dec MissingJurisdiction A1", 0, 0)
                Case 1
                    Call ErrorForm.LoadError("Dec MissingJurisdiction A2", 0, 0)
                Case Is > 1
                    Call ErrorForm.LoadError("Dec MissingJurisdiction A3", 0, 0)
                End Select

            If Not ErrorForm.IgnoreError Then
                For Each bcCourt In colCompatibleCourts
                    Call ErrorForm.Suggestion.Insert(AppropriateJurisdictionPosition(Citation), JurisdictionAndCourtText(bcCourt))
                    Call ErrorForm.DisplaySuggestion
                Next bcCourt
                Call ErrorForm.Activate
            End If

        End If

    End If

End Sub

Private Function JurisdictionAndCourtText(Court As cCourt)

    If Court.JurisdictionImplicit _
```

```
    Or Not (Citation.CourtClause Is Nothing) Then
        JurisdictionAndCourtText = Court.AbrvName
    Else
        JurisdictionAndCourtText = Court.Parent.AbrvName & " " & Court.AbrvName
    End If

End Function

Private Sub CheckMissingCourt()

    '-- If the jurisdiction was determined though parse but the court was not and there is no court clause, then suggest adding a
    '   court clause for every court that is a good match for the reporters and date.
    '>> Jones v. Smith, 123 F.2d 456 (1980)

    Dim colCompatibleCourts As Collection
    Dim bcCourt As cCourt
    Dim lngInsertionPosition As Long


    If Not Citation.Jurisdiction Is Nothing Then
        If Citation.Court Is Nothing And Citation.CourtClause Is Nothing Then

            Set colCompatibleCourts = CompatibleCourts(Citation.Jurisdiction)
            Select Case colCompatibleCourts.Count
                Case 0
                    Call ErrorForm.LoadError("Dec MissingCourt 1", 0, 0)
                Case 1
                    Call ErrorForm.LoadError("Dec MissingCourt 2", 0, 0)
                Case Is > 1
                    Call ErrorForm.LoadError("Dec MissingCourt 3", 0, 0)
            End Select

            If Not ErrorForm.IgnoreError Then
                lngInsertionPosition = AppropriateCourtPosition(Citation)
                For Each bcCourt In colCompatibleCourts
                    Call ErrorForm.Suggestion.Insert(lngInsertionPosition, bcCourt.AbrvName)
                    Call ErrorForm.DisplaySuggestion
                Next bcCourt
                Call ErrorForm.Activate
            End If

        End If
    End If

End Sub

Private Sub CheckInconsistentJurisdictionAndCourt()

    '-- If the court clause is inconsistent with the citation's jurisdiction, then suggest either replacing the court clause
    '   with a compatible jurisdiction, or replacing the jurisdiction clause with a compatible court.

    '-- NB: This sub ONLY checks when there is a court clause that disagrees with a jurisdiction clause.

    Dim bcCourt As cCourt
    Dim bcJurisdiction As cJurisdiction


    '-- Is the court clause's parent jurisdiction diferent than the jurisdiction clause's jurisdiction?

    If Not (Citation.JurisdictionClause Is Nothing) And Not (Citation.CourtClause Is Nothing) Then
        If Not (Citation.CourtClause.Court.Parent Is Citation.JurisdictionClause.Jurisdiction) Then

            '-- If the court clause's parent jurisdiction is federal and a state jurisdiction clause immediately follows the court clause,
            '   do not flag an error -- this is handled in CheckExtraneousJurisdictionOrCourt.

            If Not (Citation.CourtClause.Court.Parent.FullName = "Federal" _
            And Citation.JurisdictionClause.JurStart = ActiveDoc.Words.NextFullWord(Citation.CourtClause.CourtEnd)) Then

                If Citation.CourtClause.Court.Parent Is Citation.Jurisdiction Then
                    '>> Jones v. Smith, 123 F.2d 456 (Minn. 2d Cir. 1990)
                    Call ErrorForm.LoadError("Dec InconsistentJurAndCourt 1", Citation.JurisdictionClause.JurStart, Citation.JurisdictionCl
ause.JurEnd, Citation.Jurisdiction.FullName, Citation.CourtClause.Court.FullName, Citation.CourtClause.Text, Citation.JurisdictionClause.Ju
risdiction.FullName)
                ElseIf Citation.CourtClause.Court.JurisdictionImplicit Then
                    '>> Jones v. Smith, 123 N.W.2d 456 (Minn. 2d Cir. 1990)
                    Call ErrorForm.LoadError("Dec InconsistentJurAndCourt 2", Citation.CourtClause.CourtStart, Citation.CourtClause.CourtEn
d, Citation.Jurisdiction.FullName, Citation.JurisdictionClause.Text, Citation.CourtClause.Court.FullName)
                Else
                    '>> Jones v. Smith, 123 N.W.2d 456 (Minn. Ct. Cl. 1990)
                    Call ErrorForm.LoadError("Dec InconsistentJurAndCourt 3", Citation.CourtClause.CourtStart, Citation.CourtClause.CourtEn
d, Citation.Jurisdiction.FullName, Citation.JurisdictionClause.Text)
                End If

                If Not ErrorForm.IgnoreError Then

                    '-- Suggest replacing or deleting the jurisdiction.
                    If Citation.CourtClause.Court.JurisdictionImplicit Then
                        Call ErrorForm.Suggestion.Delete(Citation.JurisdictionClause.JurStart, Citation.JurisdictionClause.JurEnd)
                        Call ErrorForm.DisplaySuggestion
                    Else
                        For Each bcJurisdiction In CompatibleJurisdictions
                            Call ErrorForm.Suggestion.Change(Citation.JurisdictionClause.JurStart, Citation.JurisdictionClause.JurEnd, bcJu
risdiction.AbrvName)
                            Call ErrorForm.DisplaySuggestion
                        Next bcJurisdiction
                    End If

                    '-- Suggest replacing the court clause.
                    For Each bcCourt In CompatibleCourts(Citation.JurisdictionClause.Jurisdiction)
                        If bcCourt.AbrvName = "" Then
                            Call ErrorForm.Suggestion.Delete(Citation.CourtClause.CourtStart, Citation.CourtClause.CourtEnd)
```

```
                        Call ErrorForm.DisplaySuggestion
                    Else
                        Call ErrorForm.Suggestion.Change(Citation.CourtClause.CourtStart, Citation.CourtClause.CourtEnd, bcCourt.AbrvNa
me)
                        Call ErrorForm.DisplaySuggestion
                    End If
                Next bcCourt

                Call ErrorForm.Activate

            End If

        End If

    End If
End If

End Sub

Private Sub CheckExtraneousJurisdiction()

    '-- Suggest deleting the jurisdiction clause if the jurisdiction is redundant because it is identified by the court clause.


    If Not (Citation.JurisdictionClause Is Nothing) And Not (Citation.CourtClause Is Nothing) Then

        If CourtClauseIDsJurisdiction() Then

            If Citation.Jurisdiction.FullName = "Federal" _
            And Citation.JurisdictionClause.Jurisdiction.FullName = "Federal" Then

            '-- If a federal jurisdiction clause is redundant because it is identified by a federal court clause, then suggest deleting
            '   the jurisdiction clause.
            '>> Jones v. Smith, 123 F.2d 456 (Fed. 8th Cir. 1980)

                Call ErrorForm.LoadError("Dec ExtraneousJurisdiction A", Citation.JurisdictionClause.JurStart, Citation.JurisdictionClause.
JurEnd, Citation.Court.FullName)
                If Not ErrorForm.IgnoreError Then
                    Call ErrorForm.Suggestion.Delete(Citation.JurisdictionClause.JurStart, Citation.JurisdictionClause.JurEnd)
                    Call ErrorForm.Activate
                End If

            ElseIf Citation.Jurisdiction.FullName = "Federal" _
            And Citation.JurisdictionClause.Jurisdiction.FullName <> "Federal" _
            And ClausesAreAdjacent(Citation.JurisdictionClause, Citation.CourtClause) Then

                '-- If a non-federal jurisdiction clause is inconsistant with a federal court clause, and the jurisdiction clause
                '   immediately follows a federal court clause, then suggest deleting the jurisdiction clause. (If the jurisdiction clause
                '   does not immediately follow the court clause, that error is handled by CheckInconsistentJurisdictionAndCourt.)
                '>> Jones v. Smith, 123 F.2d 456 (8th Cir. (Minn.) 1980)

                Call ErrorForm.LoadError("Dec ExtraneousJurisdiction B", Citation.JurisdictionClause.JurStart, Citation.JurisdictionClause.
JurEnd, Citation.Court.FullName)
                If Not ErrorForm.IgnoreError Then
                    Call ErrorForm.Suggestion.Delete(Citation.JurisdictionClause.JurStart, Citation.JurisdictionClause.JurEnd)
                    Call ErrorForm.Activate
                End If

            ElseIf Citation.Jurisdiction.FullName <> "Federal" _
            And Citation.JurisdictionClause.Jurisdiction Is Citation.Jurisdiction Then

                '-- If the state jurisdiction clause is redundant because it is identified by the state court clause, then suggest deleting
                '   the jurisdiction clause.
                '>> Jones v. Smith, 123 N.W. 456 (N.D. Dakota 1880)

                Call ErrorForm.LoadError("Dec ExtraneousJurisdiction C", Citation.JurisdictionClause.JurStart, Citation.JurisdictionClause.
JurEnd, Citation.Court.FullName)
                If Not ErrorForm.IgnoreError Then
                    Call ErrorForm.Suggestion.Delete(Citation.JurisdictionClause.JurStart, Citation.JurisdictionClause.JurEnd)
                    Call ErrorForm.Activate
                End If

            End If

        End If
    End If

End Sub

Private Sub CheckExtraneousCourtAndJurisdiction()

    '-- Suggest deleting the court and/or jurisdiction if either is identifed by a reporter clause.

    Dim bcReporterIDingJur As cReporter
    Dim bcReporterIDingCourt As cReporter
    Dim bolExtraneousJurisdiction As Boolean
    Dim bolExtraneousCourt As Boolean
    Dim bolFixCourtAndJurTogether As Boolean


    If Not (Citation.JurisdictionClause Is Nothing) Then
        Set bcReporterIDingJur = ReporterIDingJurisdiction(Citation.Jurisdiction)
        If Not (bcReporterIDingJur Is Nothing) Then bolExtraneousJurisdiction = True
    End If

    If Not (Citation.CourtClause Is Nothing) Then
        Set bcReporterIDingCourt = ReporterIDingCourt(Citation.Court)
        If Not (bcReporterIDingCourt Is Nothing) Then bolExtraneousCourt = True
    End If

    If bolExtraneousJurisdiction And bolExtraneousCourt Then
```

```
        If Citation.JurisdictionClause.NextClause Is Citation.CourtClause Then bolFixCourtAndJurTogether = True
    End If

    If bolFixCourtAndJurTogether = True Then
        '-- If both the jurisdiction and court are redundant because they are identified by a reporter clause, and the court
        '   clause immediately follows the jurisdition clause, then suggest deleting the jurisdiction clause and court clause
        '   together.
        '>> Jones v. Smith, 123 Ill. App. 2d 456 (Ill. App. Ct. 1980)
        '>> Jones v. Smith, 123 Ct. Cl. 456 (Fed. Ct. Cl. 1980)

        Call ErrorForm.LoadError("Dec ExtraneousCourtAndJurisdiction A", Citation.JurisdictionClause.JurStart, Citation.CourtClause.CourtEn
d, Citation.Court.FullName, bcReporterIDingJur.FullName)
        If Not ErrorForm.IgnoreError Then
            Call ErrorForm.Suggestion.Delete(Citation.JurisdictionClause.JurStart, Citation.CourtClause.CourtEnd)
            Call ErrorForm.Activate
        End If

    Else

        If bolExtraneousJurisdiction Then

            '-- If the jurisdiction is redundant because it is identified by a reporter clause, then suggest deleting the
            '   jurisdiction clause.
            '>> Jones v. Smith, 123 U.S. 456 (Fed. 1980)
            '>> Jones v. Smith, 123 Ill. App. 2d 456 (Ill. 1980)
            '>> Jones v. Smith, 123 Dakota 456 (N.D. 1880)

            Call ErrorForm.LoadError("Dec ExtraneousCourtAndJurisdiction B", Citation.JurisdictionClause.JurStart, Citation.JurisdictionCla
use.JurEnd, bcReporterIDingJur.FullName)
            If Not ErrorForm.IgnoreError Then
                Call ErrorForm.Suggestion.Delete(Citation.JurisdictionClause.JurStart, Citation.JurisdictionClause.JurEnd)
                Call ErrorForm.Activate
                If ErrorForm.Result = Cancel Or ErrorForm.Result = Change Then Exit Sub
            End If

        ElseIf bolExtraneousCourt Then

            '-- If the court clause is redundant because the court is designated by a reporter clause, then suggest deleting the
            '   court clause.
            '>> Jones v. Smith, 123 Ill. App. 2d 456 (App. Ct. 1980)
            '>> Jones v. Smith, 123 Ct. Cl. 456 (Ct. Cl. 1980)

            Call ErrorForm.LoadError("Dec ExtraneousCourtAndJurisdiction A", Citation.CourtClause.CourtStart, Citation.CourtClause.CourtEnd
, Citation.Court.FullName, bcReporterIDingCourt.FullName)
            If Not ErrorForm.IgnoreError Then
                Call ErrorForm.Suggestion.Delete(Citation.CourtClause.CourtStart, Citation.CourtClause.CourtEnd)
                Call ErrorForm.Activate
            End If
        End If

    End If

End Sub

Private Sub CheckJurisdictionAndCourtSpelling()

    Dim strCorrectJurAbrv As String
    Dim strCorrectCourtAbrv As String
    Dim bolFixJurisdiction As Boolean
    Dim bolFixCourt As Boolean
    Dim bolFixJurAndCourtTogether As Boolean

    '-- Determine whether the jurisdiction clause should be corrected.
    If Not (Citation.JurisdictionClause Is Nothing) Then
        strCorrectJurAbrv = Citation.JurisdictionClause.Jurisdiction.AbrvName
        If Citation.JurisdictionClause.Text <> strCorrectJurAbrv Then bolFixJurisdiction = True
    End If

    '-- Determine whether the court clause should be corrected.
    If Not (Citation.CourtClause Is Nothing) Then
        strCorrectCourtAbrv = Citation.CourtClause.Court.AbrvName
        If Citation.CourtClause.Text <> strCorrectCourtAbrv Then bolFixCourt = True
    End If

    '-- If either needs to be corrected, then determine whether the jurisdiction clause is adjacent to the court clause and the
    '   court clause is compatible with the jurisdiction.
    If bolFixJurisdiction Or bolFixCourt Then
        If Not (Citation.CourtClause Is Nothing) And Not (Citation.JurisdictionClause Is Nothing) Then
            If Citation.CourtClause.Court.Parent Is Citation.JurisdictionClause.Jurisdiction _
            And Citation.JurisdictionClause.NextClause Is Citation.CourtClause Then
                bolFixJurAndCourtTogether = True
            End If
        End If
    End If

    If bolFixJurAndCourtTogether = True Then

    '-- If the court Clause is adjacent to the jurisdiction clause and either or both clauses needs to be corrected, then
    '   suggest correcting the two clauses simultaneously (as a single unit.)
    '>> Jones v. Smith, 123 N.W.2d 456 (Minn. Ct App. 1980)

        Call ErrorForm.LoadError("Dec JurisdictionAndCourtIDSpelling A", Citation.JurisdictionClause.JurStart, Citation.CourtClause.CourtEn
d, Citation.CourtClause.Court.FullName)
        If Not ErrorForm.IgnoreError Then
            Call ErrorForm.Suggestion.Change(Citation.JurisdictionClause.JurStart, Citation.CourtClause.CourtEnd, strCorrectJurAbrv & " " &
 strCorrectCourtAbrv)
            Call ErrorForm.Activate
        End If

    Else
```

```
    '-- Otherwise, suggest separate corrections for the jurisdiction and the court, if appropriate.

        '-- Suggest correcting the jurisdiction if appropriate.
        '>> Jones v. Smith, 123 N.W.2d 456 (Minnn. 1980)

        If bolFixJurisdiction = True Then

            Call ErrorForm.LoadError("Dec JurisdictionAndCourtIDSpelling B", Citation.JurisdictionClause.JurStart, Citation.JurisdictionCla
use.JurEnd, Citation.JurisdictionClause.Jurisdiction.FullName)
            If Not ErrorForm.IgnoreError Then
                Call ErrorForm.Suggestion.Change(Citation.JurisdictionClause.JurStart, Citation.JurisdictionClause.JurEnd, strCorrectJurAbr
v)
                Call ErrorForm.Activate
                If ErrorForm.Result = Cancel Or ErrorForm.Result = Change Then Exit Sub
            End If

        End If

        '-- Suggest correcting the court if appropriate.
        '>> Jones v. Smith, 123 F.2d 456 (C.C.A.2d 1980)

        If bolFixCourt = True Then

            Call ErrorForm.LoadError("Dec JurisdictionAndCourtIDSpelling C", Citation.CourtClause.CourtStart, Citation.CourtClause.CourtEnd
, Citation.CourtClause.Court.FullName)
            If Not ErrorForm.IgnoreError Then
                Call ErrorForm.Suggestion.Change(Citation.CourtClause.CourtStart, Citation.CourtClause.CourtEnd, strCorrectCourtAbrv)
                Call ErrorForm.Activate
                If ErrorForm.Result = Cancel Or ErrorForm.Result = Change Then Exit Sub
            End If

        End If

    End If

End Sub

Private Sub CheckValidYear()

    '-- If the designated year is not within a valid range for the designated court, then request the user to correct the year.
    '>> Jones v. Smith, 123 N.W.2d 456 (Minn. Ct. App. 1950)

    If Not (Citation.Court Is Nothing) Then
        If Citation.Year > 0 And Not (Citation.Court.YearStart <= Citation.Year And Citation.Year <= Citation.Court.YearEnd) Then

            Call ErrorForm.LoadError("Dec ValidYear A", Citation.DateClause.DateEnd, Citation.DateClause.DateEnd, Citation.DateClause.Year,
 Citation.Court)
            If Not ErrorForm.IgnoreError Then
                Call ErrorForm.Suggestion.Change(Citation.DateClause.DateStart, Citation.DateClause.DateEnd, "____")
                Call ErrorForm.Activate
            End If

        End If
    End If

End Sub

Private Function CourtClauseIDsJurisdiction() As Boolean

    If Not (Citation.CourtClause Is Nothing) Then
        If Citation.CourtClause.Court.JurisdictionImplicit = True Then
            If Citation.CourtClause.Court.Parent Is Citation.Jurisdiction Then
                CourtClauseIDsJurisdiction = True
            End If
        End If
    End If

End Function

Private Function ReporterIDingJurisdiction(Jurisdiction As cJurisdiction) As cReporter

    Dim bcReporterClause As cClauseReporter


    For Each bcReporterClause In Citation.ReporterClauses
        If bcReporterClause.Reporter.ImplicitJurisdiction Is Jurisdiction Then
            Set ReporterIDingJurisdiction = bcReporterClause.Reporter
            Exit Function
        End If
    Next bcReporterClause

End Function

Private Function ReporterIDingCourt(Court As cCourt) As cReporter

    Dim bcReporterClause As cClauseReporter


    For Each bcReporterClause In Citation.ReporterClauses
        If bcReporterClause.Reporter.ImplicitCourt Is Court Then
            Set ReporterIDingCourt = bcReporterClause.Reporter
            Exit Function
        End If
    Next bcReporterClause

End Function

Private Function CompatibleJurisdictions() As Collection
```

```
    Dim strCourtClauseTextTrim As String
    Dim bcJurisdiction As cJurisdiction
    Dim bcMatchingCourt As cCourt
    Dim colJurisdictions As Collection
    Dim i As Integer


    '-- Initialize the data.

    Set colJurisdictions = New Collection
    strCourtClauseTextTrim = Citation.CourtClause.Text
    Jurisdictions.ScoreReset

    '-- Step through each jurisdiction.
    For Each bcJurisdiction In Jurisdictions

        '-- If there is a court in this jurisdiction with an alias that matches the court clause, then calculate points for the
        '   jurisdiction.
        Set bcMatchingCourt = bcJurisdiction.Courts.Item(strCourtClauseTextTrim, True, Citation.DateClause.Year, True)
        If Not (bcMatchingCourt Is Nothing) Then
            '-- Award one point to show that the jurisdiction has a matching court alias.
            bcJurisdiction.Score = bcJurisdiction.Score + 1
            '-- Award two points for every reporter clause that is compatible with the jurisdiction.
            bcJurisdiction.Score = bcJurisdiction.Score + 2 * ReportersCompatibleWithCourt(bcMatchingCourt, Citation.ReporterClauses)
            '-- If there are no reporter clauses, then award one point if the citation's year is within the court's date range.
            '   (If there are reporter clauses, then do not perform this test because points were awarded for a similar test in
            '   CompatibilityWithReporters.)
            If Citation.ReporterClauses.Count = 0 Then If Citation.Year > 0 And bcMatchingCourt.YearStart <= Citation.Year And Citation.Yea
r <= bcMatchingCourt.YearEnd Then bcJurisdiction.Score = bcJurisdiction.Score + 1
            '-- Award one point if the court clause exactly matches the correct abbreviation for the matching court (i.e., is not
            '   an incorrect alias.)
            If bcMatchingCourt.AbrvNameTrim = strCourtClauseTextTrim Then bcJurisdiction.Score = bcJurisdiction.Score + 1
            '-- Determine whether this jurisdiction's score is the best score so far.
        End If

    Next bcJurisdiction

    '-- Return a collection of the jurisdictions that have a score within one point of the best score. (A permitted deviation of
    '   one points includes a jurisdiction if the court name was wrong or the year was wrong, compared to the best matches, but not
    '   if both were wrong.)

    Set CompatibleJurisdictions = Jurisdictions.ScoresBest(2, 1)

End Function

Private Function CompatibleCourts(Optional Jurisdiction As cJurisdiction) As Collection

    '-- The jurisdiction is the declaration is optional. If jurisdiction is supplied, then only search for compatible courts
    '   within that jurisdiction. Otherwise, search for compatible courts within all jurisdictions.

    Dim bcCourtsToCheck As cCourts
    Dim lngMinimumScore As Long
    Dim bcCourt As cCourt
    Dim bcUniqueCourt As cCourt
    Dim colCourts As Collection
    Dim colUniqueCourts As Collection
    Dim bolIsUnique As Boolean


    '-- Determine the correct group of courts to search.
    If Jurisdiction Is Nothing Then
        Set bcCourtsToCheck = Jurisdictions.AllCourts
        lngMinimumScore = 2
    Else
        Set bcCourtsToCheck = Jurisdiction.Courts
        lngMinimumScore = 1
    End If

    '-- Step through each court and award points.
    bcCourtsToCheck.ScoreReset
    For Each bcCourt In bcCourtsToCheck
        '-- Award two points for every reporter clause that is compatible with the jurisdiction.
        bcCourt.Score = bcCourt.Score + 2 * ReportersCompatibleWithCourt(bcCourt, Citation.ReporterClauses, Citation.Year)
        '-- Award one point if the date clause's year is within the court's date range.
        If Citation.Year > 0 And bcCourt.YearStart <= Citation.Year And Citation.Year <= bcCourt.YearEnd Then bcCourt.Score = bcCourt.Score
 + 1
    Next bcCourt

    '-- Create a collection of courts with scores that meet or exceed the minimum score and with scores within one point of the
    '   highest score.
    Set colCourts = bcCourtsToCheck.ScoresBest(lngMinimumScore, 1)

    '-- Filter out courts from the same jurisdiction that have the same abbreviation.
    Set colUniqueCourts = New Collection
    For Each bcCourt In colCourts
        bolIsUnique = True
        For Each bcUniqueCourt In colUniqueCourts
            If bcCourt.Parent Is bcUniqueCourt.Parent Then
                If bcCourt.AbrvName = bcUniqueCourt.AbrvName Then
                    bolIsUnique = False
                    Exit For
                End If
            End If
        Next bcUniqueCourt
        If bolIsUnique = True Then colUniqueCourts.Add bcCourt
    Next bcCourt

    Set CompatibleCourts = colUniqueCourts

End Function
```

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```
Option Explicit

Private mcolExpectedGroupCodes As Collection
Private mbolUseParallel As Boolean
Private mbolRulesDiffer As Boolean
Private mbolSubmittedToStateCourt As Boolean

Private Const InvalidPriority As Long = 1000

Public Sub CheckParallelReporters()

    Dim bcReporterClause As cClauseReporter


    If Not (Citation.Jurisdiction Is Nothing) Then

        If fOptions.ForCourt <> "Federal" And fOptions.ForCourt = Citation.Jurisdiction.FullName Then mbolSubmittedToStateCourt = True

        Call SetExpectedReporterGroups(mcolExpectedGroupCodes, mbolUseParallel, mbolRulesDiffer)
        Call CheckReporterRuleExceptions

        For Each bcReporterClause In Citation.ReporterClauses

            Call CheckUnrecognizedReporter(bcReporterClause)
            If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub

            Call CheckRedundantReporter(bcReporterClause)
            If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub

            Call CheckUnnecessaryReporter(bcReporterClause)
            If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub

            Call CheckIncorrectOrder(bcReporterClause)
            If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub

        Next bcReporterClause

        Call CheckPreferredReporterMissing
        If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub

        Call CheckMissingReporter
        If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub

        Call CheckMissingReporterGroup
        If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub


    End If

End Sub

Private Sub SetExpectedReporterGroups(ByRef ExpectedReporterGroups As Collection, ByRef UseParallel As Boolean, ByRef RulesDiffer As Boolea
n)

    ' Return the correct group of expected reporters (parallel or non-parallel) for this citation, based on whether the document
    ' is being submitted to a state court within the same jurisdiction as the citation.

    If Not (Citation.Court Is Nothing) Then
        If Citation.Court.ParallelReporters.Count = 0 Then
            Set ExpectedReporterGroups = Citation.Court.NonParallelReporters
            UseParallel = False
            RulesDiffer = False
        ElseIf Citation.Court.NonParallelReporters.Count = 0 Then
            Set ExpectedReporterGroups = Citation.Court.ParallelReporters
            UseParallel = True
            RulesDiffer = False
        ElseIf mbolSubmittedToStateCourt Then
            Set ExpectedReporterGroups = Citation.Court.ParallelReporters
            UseParallel = True
            RulesDiffer = True
        Else
            Set ExpectedReporterGroups = Citation.Court.NonParallelReporters
            UseParallel = False
            RulesDiffer = True
        End If
    End If

End Sub

Private Sub CheckReporterRuleExceptions()

    If Not (Citation.DateClause Is Nothing) Then

        If Citation.Jurisdiction.FullName = "California" And Citation.DateClause.Year <= 1959 Then

            If Citation.Court.FullName = "Court of Appeal" Then
                Set mcolExpectedGroupCodes = New Collection
                If mbolSubmittedToStateCourt Then
                    mcolExpectedGroupCodes.Add 1
                    mcolExpectedGroupCodes.Add 2
                    mbolUseParallel = True
                Else
                    mcolExpectedGroupCodes.Add 2
                    mcolExpectedGroupCodes.Add 1
                    mbolUseParallel = False
                End If
            End If
```

```
            If Citation.Court.FullName = "Appellate Departments of the Superior Court" Then
                Set mcolExpectedGroupCodes = New Collection
                If mbolSubmittedToStateCourt Then
                    mcolExpectedGroupCodes.Add 1
                    mcolExpectedGroupCodes.Add 2
                    mbolUseParallel = True
                Else
                    mcolExpectedGroupCodes.Add 2
                    mcolExpectedGroupCodes.Add 1
                    mbolUseParallel = False
                End If
            End If

        End If
    End If

End Sub

Private Sub CheckUnrecognizedReporter(CurrentClause As cClauseReporter)

    '-- If a reporter is not recognized as used by this particular jurisdiction or court, then suggest deleting or changing the
    '   reporter clause.

    Dim bcReporter As cReporter
    Dim strSuggestion As String
    Dim colPreferredReporters As Collection


    If Not (Citation.Court Is Nothing) Then

        If Citation.ReporterClauses.Count > 1 Then

            '-- If the current clause's reporter is not used by the court and there is at least one other reporter clause,
            '   then suggest deleting the current clause.
            '>> Jones v. Smith, 100 F.3d 105, 110, 200 N.W.2d 205, 210 (2d Cir. 2000)
            '>> Jones v. Smith, 100 Minn. 105, 110, 200 N.W.2d 205, 210 (Ct. App. 1990)
            '>> Jones v. Smith, 100 N.W.2d 105, 110, 200 Ill. App. 205, 210 (1990)
            '>> Jones v. Smith, 100 F.2d 105, 110, 200 Ill. App. 205, 210 (1990)

            If Not (CurrentClause.Reporter.Parent Is Citation.Court.CourtGroup) Then

                Call ErrorForm.LoadError("P11 UnrecognizedReporter 1", CurrentClause.ClauseStart, CurrentClause.ClauseEnd, CurrentClause.Re
porter.FullName, "the " & Citation.Court.FullName)
                If Not ErrorForm.IgnoreError Then
                    Call SuggestClauseDelete(CurrentClause)
                    Call ErrorForm.Activate
                End If

            End If


        Else

            '-- If the current clause's reporter is not used by the court and it is the only reporter clause,
            '   then suggest changing it to a valid reporter.
            '>> Jones v. Smith, 200 N.W.2d 205, 210 (2d Cir. 2000)
            '>> Jones v. Smith, 100 Minn. 105, 110 (Ct. App. 1990)
            '>> Jones v. Smith, 100 U.S. 105, 110 (Minn. 1980)

            If Not (CurrentClause.Reporter.Parent Is Citation.Court.CourtGroup) Then
                Set colPreferredReporters = PreferredReporters()

                Call ErrorForm.LoadError("P11 UnrecognizedReporter 2", CurrentClause.ClauseStart, CurrentClause.ClauseEnd, CurrentClause.Re
porter.FullName, "the " & Citation.Court.FullName, ListOfReporters(colPreferredReporters))
                If Not ErrorForm.IgnoreError Then
                    For Each bcReporter In colPreferredReporters
                        Call SuggestClauseChange(CurrentClause, bcReporter, CurrentClause.PinStart > 0)
                    Next bcReporter
                    Call ErrorForm.Activate
                End If

            End If

        End If

    End If

End Sub

Private Sub CheckRedundantReporter(CurrentClause As cClauseReporter)

    '-- If the citation contains another reporter with the same group code as the present reporter, then suggest that one
    '   be deleted.
    '>> Jones v. Smith, 100 N.W. 105, 110, 200 N.W.2d 205, 210 (Minn. 1980)

    Dim bcSubsequentReporterClause As cClauseReporter


    If Citation.ReporterClauses.Count > 1 Then
        For Each bcSubsequentReporterClause In Citation.ReporterClauses
            If bcSubsequentReporterClause.ClauseStart > CurrentClause.ClauseStart Then

                If bcSubsequentReporterClause.Reporter.GroupCode = CurrentClause.Reporter.GroupCode Then
                    If Not (bcSubsequentReporterClause.EditorClause Is CurrentClause Or CurrentClause.EditorClause Is bcSubsequentReporterC
lause) Then

                        Call ErrorForm.LoadError("P11 RedunantReporter", CurrentClause.ClauseStart, CurrentClause.ClauseEnd, bcSubsequentRe
porterClause.Reporter.AbrvName, CurrentClause.Reporter.AbrvName)
                        If Not ErrorForm.IgnoreError Then
                            Call SuggestClauseDelete(CurrentClause)
```

```
                            Call SuggestClauseDelete(bcSubsequentReporterClause)
                            Call ErrorForm.Activate
                            If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub
                        End If

                    End If
                End If

            End If
        Next bcSubsequentReporterClause
    End If

End Sub

Private Sub CheckUnnecessaryReporter(CurrentClause As cClauseReporter)

    '-- If this reporter is used by the citation, but isn't necessary to satisfy the required reporters for this court, then suggest
    '   deleting it.
    '>> Jones v. Smith, 100 U.S. 105, 110, 200 S. Ct. 205, 210 (1980)
    '>> Jones v. Smith, 100 Minn. 105, 110, 200 N.W.2d 205, 210 (1980) [not submitted to Minnesota court]

    Dim bcPreferredReporter As cReporter
    Dim strSuggestion As String


    If Not (Citation.Court Is Nothing) Then
        If IsValidReporter(CurrentClause.Reporter) Then
            If Not HasNeededReporter(CurrentClause) Then

                If mbolRulesDiffer And Not mbolSubmittedToStateCourt Then
                    Call ErrorForm.LoadError("P11 UnnecessaryReporter B", CurrentClause.ClauseStart, CurrentClause.ClauseEnd, AddArticle(Ci
tation.Jurisdiction.FullName), CurrentClause.Reporter.FullName, Citation.Court.FullName)
                Else
                    Call ErrorForm.LoadError("P11 UnnecessaryReporter A", CurrentClause.ClauseStart, CurrentClause.ClauseEnd, CurrentClause
.Reporter.FullName, Citation.Court.FullName)
                End If
                If Not ErrorForm.IgnoreError Then
                    Call SuggestClauseDelete(CurrentClause)
                    Call ErrorForm.Activate
                End If

            End If
        End If
    End If

End Sub

Private Sub CheckIncorrectOrder(CurrentClause As cClauseReporter)

    '-- If the current clause has a reporter that is in an incorrect position and should go earlier in the parallel citation, then
    '   suggest transposing the clause into its correct position.
    '>> Jones v. Smith, 200 N.W.2d 205, 210, 300 Minn. 305, 310 (1980)
    '>> Jones v. Smith, 100 L. Ed 105, 110, 200 S. Ct. 205, 210, 300 U.S. 305, 310 (1980)

    Dim bcReporterClauseAtExpectedPosition As cClauseReporter


    If Citation.ReporterClauses.Count > 1 Then
        Set bcReporterClauseAtExpectedPosition = ClauseAtExpectedStart(CurrentClause.Reporter)
        If Not (bcReporterClauseAtExpectedPosition Is CurrentClause) Then

            Call ErrorForm.LoadError("P11 IncorrectOrder", CurrentClause.ClauseStart, CurrentClause.ClauseEnd, CurrentClause.Reporter.FullN
ame, bcReporterClauseAtExpectedPosition.Reporter.FullName)
            If Not ErrorForm.IgnoreError Then
                Call ErrorForm.Suggestion.Transpose(CurrentClause.ClauseStart, CurrentClause.ClauseEnd, bcReporterClauseAtExpectedPosition.
ClauseStart)
                Call ErrorForm.Activate
            End If

        End If
    End If

End Sub

Private Sub CheckPreferredReporterMissing()

    '-- If the citation should not have parallel reporters and the citation isn't using the best reporter, then suggest changing the
    '   current highest-rated clause to the preferred reporter.
    '>> Jones v. Smith, 100 S. Ct. 105, 110 (1980)
    '>> Jones v. Smith, 100 L. Ed. 105, 110, 200 S. Ct. 205, 210 (1980)


    Dim colPreferredReporters As Collection
    Dim bcReporter As cReporter
    Dim bcClauseToReplace As cClauseReporter


    If mbolUseParallel = False And Citation.ReporterClauses.Count > 0 Then

        Set colPreferredReporters = PreferredReporters()
        If colPreferredReporters.Count > 0 Then

            Set bcClauseToReplace = Citation.ReporterClauses(1)

            Call ErrorForm.LoadError("P11 NotPreferredReporter", bcClauseToReplace.ClauseStart, bcClauseToReplace.ClauseEnd, ListOfReporter
s(colPreferredReporters), bcClauseToReplace.Reporter.FullName)
            If Not ErrorForm.IgnoreError Then
                For Each bcReporter In colPreferredReporters
                    Call SuggestClauseChange(bcClauseToReplace, bcReporter, bcClauseToReplace.PinStart > 0)
                Next bcReporter
                Call ErrorForm.Activate
```

```
mCheckParallelReporters = 4

            End If

        End If
    End If

End Sub

Private Sub CheckMissingReporter()

    '-- If there are no reporter clauses, then suggest inserting a valid reporter clause.
    '>> Jones v. Smith (Minn. 1970)

    Dim colPreferredReporters As Collection
    Dim bcReporter As cReporter
    Dim strSuggestion As String


    If Citation.ReporterClauses.Count = 0 Then

        Set colPreferredReporters = PreferredReporters()
        If colPreferredReporters.Count > 0 Then

            Call ErrorForm.LoadError("P11 MissingReporter", 0, 0, ListOfReporters(colPreferredReporters))
            If Not ErrorForm.IgnoreError Then
                For Each bcReporter In colPreferredReporters
                    Call SuggestClauseInsert(bcReporter, False)
                Next bcReporter
                Call ErrorForm.Activate
            End If

        End If

    End If

End Sub

Private Sub CheckMissingReporterGroup()

    '-- If this citation should use parallel reporters, then check whether all of the necessary reporter groups are satisfied.
    '>> Jones v. Smith, 100 N.W.2d 105, 100 (Minn. 1970) [for Minnesota court]

    Dim colSuggestedReporters As Collection
    Dim varGroupCode As Variant
    Dim bcReporter As cReporter
    Dim strSuggestion As String


    If mbolUseParallel = True And Citation.ReporterClauses.Count > 0 Then

        For Each varGroupCode In mcolExpectedGroupCodes
            If ClauseMatchingGroup(varGroupCode) Is Nothing Then

                Set colSuggestedReporters = ValidReporters(varGroupCode)
                If colSuggestedReporters.Count > 0 Then

                    If mbolSubmittedToStateCourt Then
                        Call ErrorForm.LoadError("P11 MissingReporterGroup 1", 0, 0, AddArticle(Citation.Jurisdiction.FullName), ListOfRepo
rters(colSuggestedReporters))
                    Else
                        Call ErrorForm.LoadError("P11 MissingReporterGroup 2", 0, 0, ListOfReporters(colSuggestedReporters))
                    End If
                    If Not ErrorForm.IgnoreError Then
                        For Each bcReporter In ValidReporters(varGroupCode)
                            Call SuggestClauseInsert(bcReporter, False)
                        Next bcReporter
                        Call ErrorForm.Activate
                        If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub
                    End If

                End If

            End If
        Next varGroupCode

    End If

End Sub

Private Function ClauseAtExpectedStart(Reporter As cReporter) As cClauseReporter

    '-- Returns the clause which occupies the position at which the reporter should be located.  If the reporter already exists
    '   in the citation, returns its value in the current citation unless it should belong earlier in the parallel citations.
    '   i.e., this will not suggest a change if it should be moved later in the citation.

    Dim bcReporterClause As cClauseReporter
    Dim lngReporterPriority As Long


    If Citation.ReporterClauses.Count > 0 Then

        lngReporterPriority = Priority(Reporter)

        '-- Iterate through each reporter clause.
        For Each bcReporterClause In Citation.ReporterClauses
            '-- If the reporter clause's reporter is the supplier reporter, then stop and return this clause as being in the
            '   correct position.
            If Reporter Is bcReporterClause.Reporter Then
                Set ClauseAtExpectedStart = bcReporterClause
                Exit Function
            Else
            '-- If the reporter has a higher priority than the reporter clause it encounters, then return this reporter clause as
```

```
            '   where the reporter should be located.
                If lngReporterPriority < Priority(bcReporterClause.Reporter) Then
                    Set ClauseAtExpectedStart = bcReporterClause
                    Exit Function
                End If
            End If
        Next bcReporterClause

    End If

End Function

Private Function EndOfLastReporterClause() As Long

    Dim bcLastReporterClause As cClauseReporter

    Set bcLastReporterClause = Citation.ReporterClauses(Citation.ReporterClauses.Count)
    If ActiveDoc.Words(bcLastReporterClause.ClauseEnd + 1) = "," Then
        EndOfLastReporterClause = bcLastReporterClause.ClauseEnd + 2
    Else
        EndOfLastReporterClause = bcLastReporterClause.ClauseEnd + 1
    End If

End Function

Private Function Priority(Reporter As cReporter) As Long

    '-- Returns a value representing the order in which the reporter's group code falls within the expected groupcodes collection.
    '   A lower number means that the reporter has greater "priority."

    Dim i As Long
    Dim lngReporterGroupCode As Long


    '-- If the reporter is valid for the citation's court, then assign its group code to the long. Otherwise, exit
    '   the function and return zero.
    If IsValidReporter(Reporter) Then
        lngReporterGroupCode = Reporter.GroupCode
    Else
        Priority = InvalidPriority
        Exit Function
    End If

    '-- Step through each group code in the expected group codes to determine where the reporter's group code falls.
    For i = 1 To mcolExpectedGroupCodes.Count
        If mcolExpectedGroupCodes(i) = lngReporterGroupCode Then
            Priority = i
            Exit Function
        End If
    Next i

    '-- A valid group code was not located.
    Priority = InvalidPriority

End Function

Private Function IsValidReporter(Reporter As cReporter) As Boolean

    '-- Returns "true" if the reporter is used by the citation's court.

    If Not (Citation.Court Is Nothing) Then
        If Reporter.Parent.Parent Is Citation.Court.Parent Then IsValidReporter = True
    End If

End Function

'
'' ***************************************************************************
'' Ensure that each clause is sorted, from lowest to highest,
'' by reporter group number. If not in the appropriate position, suggest moving
'' the clause to the appropriate position.
'' ***************************************************************************
'
'Private Sub SortClausesByReporterGroup()
'
'    Dim i As Long
'    Dim j As Long
'    Dim objLaterReporterClause As cClauseReporter
'    Dim objEarlierReporterClause As cClauseReporter
'
'    For i = 1 To Citation.Clauses.ReporterClauses.Count
'
'        Set objEarlierReporterClause = Citation.Clauses.ReporterClauses(i)
'        If Not (objEarlierReporterClause.Reporter Is Nothing) Then
'
'            For j = i + 1 To Citation.Clauses.ReporterClauses.Count
'                Set objLaterReporterClause = Citation.Clauses.ReporterClauses(j)
'                If Not (objLaterReporterClause.Reporter Is Nothing) Then
'
'                    If objLaterReporterClause.Reporter.GroupCode < objEarlierReporterClause.Reporter.GroupCode Then
'                        Call mDisplayError.Transpose("T.1 Change Clause Position", objLaterReporterClause.ClauseStart, objLaterReporterCla
use.ClauseEnd, objEarlierReporterClause.ClauseStart, objLaterReporterClause.ReporterFullName, objEarlierReporterClause.ReporterFullName)
'                        If gbolStartOver = True Then Exit Sub
'                    End If
'
'                End If
'            Next j
'        End If
'
'    Next i
'
```

```
'End Sub
'
'Private Sub CheckDisfavoredReporters()
'
'    Dim bcReporterClause As cClauseReporter
'    Dim strReporterAbrvName As String
'    Dim strSuggested As String
'
'    For Each bcReporterClause In Citation.Clauses.ReporterClauses
'        strReporterAbrvName = bcReporterClause.ReporterAbrvName
'
'        If Citation.Year >= 1845 _
'        And (strReporterAbrvName = "Monag." _
'        Or strReporterAbrvName = "Sadler" _
'        Or strReporterAbrvName = "Walk." _
'        Or strReporterAbrvName = "Pennyp.") Then
'            If CitationUsesPinpoints Then
'                strSuggested = "__ Pa. __, __"
'            Else
'                strSuggested = "__ Pa. __"
'            End If
'            If Citation.Words(bcReporterClause.ClauseEnd) = "," Then strSuggested = strSuggested & ","
'            Suggestion.FormattedText = Citation.FormattedText
'            Call Suggestion.ReplaceWords(bcReporterClause.ClauseStart, bcReporterClause.ClauseEnd, strSuggested)
'            Call mDisplayError.Change("T.1 Use Preferred Reporter, Single", bcReporterClause.ClauseStart, bcReporterClause.ClauseEnd, "Pa.
", bcReporterClause.ReporterAbrvName)
'            If gbolStartOver = True Then Exit Sub
'        End If
'
'        If strReporterAbrvName = "Tex. Sup. Ct. J." Then
'            If CitationUsesPinpoints Then
'                strSuggested = "__ S.W.2d __, __"
'            Else
'                strSuggested = "__ S.W.2d __"
'            End If
'            If Citation.Words(bcReporterClause.ClauseEnd) = "," Then strSuggested = strSuggested & ","
'            Suggestion.FormattedText = Citation.FormattedText
'            Call Suggestion.ReplaceWords(bcReporterClause.ClauseStart, bcReporterClause.ClauseEnd, strSuggested)
'            Call mDisplayError.Change("T.1 Use Preferred Reporter, Single", bcReporterClause.ClauseStart, bcReporterClause.ClauseEnd, "S.W
.2d", bcReporterClause.ReporterAbrvName)
'            If gbolStartOver = True Then Exit Sub
'        End If
'
'    Next bcReporterClause
'
'End Sub

Private Sub SuggestClauseDelete(ReporterClause As cClauseReporter)

    Call ErrorForm.Suggestion.Delete(ReporterClause.ClauseStart, ReporterClause.ClauseEnd)
    Call FixCourtAndJurisdiction(ReporterToDelete:=ReporterClause.Reporter)
    Call ErrorForm.DisplaySuggestion

End Sub

Private Sub SuggestClauseChange(ReporterClause As cClauseReporter, NewReporter As cReporter, IncludePinCite As Boolean)

    Dim strSuggestion As String

    strSuggestion = "__ " & NewReporter.AbrvName & " __"
    If IncludePinCite Then strSuggestion = strSuggestion & ", __"
    Call ErrorForm.Suggestion.Change(ReporterClause.ClauseStart, ReporterClause.ClauseEnd, strSuggestion)
    Call FixCourtAndJurisdiction(ReporterToDelete:=ReporterClause.Reporter, ReporterToAdd:=NewReporter)
    Call ErrorForm.DisplaySuggestion

End Sub

Private Sub SuggestClauseInsert(Reporter As cReporter, IncludePinCite As Boolean)

    Dim strSuggestion As String
    Dim bcLastReporterClause As cClauseReporter
    Dim lngInsertionPos As Long


    strSuggestion = "__ " & Reporter.AbrvName & " __,"
    If IncludePinCite Then strSuggestion = strSuggestion & " __,"
    If Citation.ReporterClauses.Count > 0 Then
        Set bcLastReporterClause = Citation.ReporterClauses(Citation.ReporterClauses.Count)
        lngInsertionPos = bcLastReporterClause.ClauseEnd + 1
    ElseIf Not (Citation.CaseNameClause Is Nothing) Then
        lngInsertionPos = Citation.CaseNameClause.ClauseEnd + 1
    Else
        lngInsertionPos = Citation.AllClauses(1).ClauseEnd
    End If

    If ActiveDoc.Words(lngInsertionPos) = "," Then
        lngInsertionPos = lngInsertionPos + 1
    Else
        strSuggestion = ", " & strSuggestion
    End If

    Call ErrorForm.Suggestion.Insert(lngInsertionPos, strSuggestion)
    Call FixCourtAndJurisdiction(ReporterToAdd:=Reporter)
    Call ErrorForm.DisplaySuggestion

End Sub

Private Sub FixCourtAndJurisdiction(Optional ReporterToDelete As cReporter, Optional ReporterToAdd As cReporter)

    If Citation.JurisdictionClause Is Nothing Then
```

```
        '-- Add a jurisdiction clause if necessary.
        If NeedsJurisdictionClause(ReporterToDelete, ReporterToAdd) Then
            Call ErrorForm.Suggestion.Insert(AppropriateJurisdictionPosition(Citation), Citation.Jurisdiction.AbrvName)
        End If
    Else
        '-- Delete the jurisdiction clause if necessary.
        If Not NeedsJurisdictionClause(ReporterToDelete, ReporterToAdd) Then
            Call ErrorForm.Suggestion.Delete(Citation.JurisdictionClause.JurStart, Citation.JurisdictionClause.JurEnd)
        End If
    End If

    If Citation.CourtClause Is Nothing Then
        '-- Add a court clause if necessary.
        If NeedsCourtClause(ReporterToDelete, ReporterToAdd) Then
            Call ErrorForm.Suggestion.Insert(AppropriateCourtPosition(Citation), Citation.Court.AbrvName)
        End If
    Else
        '-- Delete the court clause if necessary.
        If Not NeedsCourtClause(ReporterToDelete, ReporterToAdd) Then
            Call ErrorForm.Suggestion.Delete(Citation.CourtClause.CourtStart, Citation.CourtClause.CourtEnd)
        End If
    End If

End Sub

Private Function NeedsJurisdictionClause(Optional ReporterToDelete As cReporter, Optional ReporterToAdd As cReporter) As Boolean

    Dim bcReporterClause As cClauseReporter


    If Not Citation.Jurisdiction Is Nothing Then

        '-- Start by assuming that a jurisdiction clause is needed
        NeedsJurisdictionClause = True

        '-- If the jurisdiction is federal, then a jurisdiction clause is not needed.
        If Citation.Jurisdiction.FullName = "Federal" Then
            NeedsJurisdictionClause = False
            Exit Function
        End If

        '-- If a reporter being added identifies the jurisdiction, then a jurisdiction clause is not needed.
        If Not (ReporterToAdd Is Nothing) Then
            If ReporterToAdd.ImplicitJurisdiction Is Citation.Jurisdiction Then
                NeedsJurisdictionClause = False
                Exit Function
            End If
        End If

        '-- If the jurisdiction is implicit from an existing reporter clause, then a jurisdiction clause is not needed.
        For Each bcReporterClause In Citation.ReporterClauses
            '-- If a reporter is being deleted, then don't check whether this reporter identifies the jurisdiction.
            If Not (bcReporterClause.Reporter Is ReporterToDelete) Then
                If bcReporterClause.Reporter.ImplicitJurisdiction Is Citation.Jurisdiction Then
                    NeedsJurisdictionClause = False
                    Exit Function
                End If
            End If
        Next bcReporterClause

    End If

End Function

Private Function NeedsCourtClause(Optional ReporterToDelete As cReporter, Optional ReporterToAdd As cReporter) As Boolean

    Dim bcReporterClause As cClauseReporter


    If Not Citation.Court Is Nothing Then

        '-- Start by assuming that a court clause is needed
        NeedsCourtClause = True

        '-- If the court is one that doesn't need an abbreviation (i.e., a supreme court), then a court clause is not needed.
        If Citation.Court.AbrvName = "" Then
            NeedsCourtClause = False
            Exit Function
        End If

        '-- If a reporter being added identifies the court, then a court clause is not needed.
        If Not (ReporterToAdd Is Nothing) Then
            If ReporterToAdd.ImplicitCourt Is Citation.Court Then
                NeedsCourtClause = False
                Exit Function
            End If
        End If

        '-- If the court is implicit from an existing reporter clause, then a court clause is not needed.
        For Each bcReporterClause In Citation.ReporterClauses
            '-- If a reporter is being deleted, then don't check whether this reporter identifies the court.
            If Not (bcReporterClause.Reporter Is ReporterToDelete) Then
                If bcReporterClause.Reporter.ImplicitCourt Is Citation.Court Then
                    NeedsCourtClause = False
                    Exit Function
                End If
            End If
        Next bcReporterClause

    End If
```

```
End Function

Private Function HasNeededReporter(ReporterClause As cClauseReporter) As Boolean

    Dim varGroupCode As Variant
    Dim lngReporterClauseGroup As Long
    Dim lngPriority As Long
    Dim bcReporterClause As cClauseReporter



    If mbolUseParallel Then

    '-- If this citation should use parallel citations, then determine whether this reporter's group code is needed to satisfy
    '   one of the the required group codes.

        If IsValidReporter(ReporterClause.Reporter) Then lngReporterClauseGroup = ReporterClause.Reporter.GroupCode

        If ReporterClause.Reporter.Parent.Parent Is Citation.Court.Parent Then
            lngReporterClauseGroup = ReporterClause.Reporter.GroupCode
        End If
        For Each varGroupCode In mcolExpectedGroupCodes
            If varGroupCode = lngReporterClauseGroup Then
                HasNeededReporter = True
                Exit Function
            End If
        Next varGroupCode

    Else

    '-- If this citation shouldn't use parallel citations, then determine whether there's another reporter clause that
    '   has a higher priority over the current clause.

        lngPriority = Priority(ReporterClause.Reporter)
        If lngPriority < InvalidPriority Then

            HasNeededReporter = True
            For Each bcReporterClause In Citation.ReporterClauses
                If Not (ReporterClause Is bcReporterClause) Then
                    If Priority(bcReporterClause.Reporter) < lngPriority Then
                        HasNeededReporter = False
                        Exit Function
                    End If
                End If
            Next bcReporterClause

        End If

    End If

End Function

Private Function PreferredReporters() As Collection

    '-- Return a collection of reporters in the reporter group with valid group codes that are higher in priority than those
    '   already in the collection

    Dim colPreferredReporters As Collection
    Dim lngBestPriority As Long
    Dim lngPriority As Long
    Dim bcReporterClause As cClauseReporter
    Dim bcReporter As cReporter


    '-- Determine the highest priority within the current reporter clauses.
    lngBestPriority = InvalidPriority + 1
    For Each bcReporterClause In Citation.ReporterClauses
        lngPriority = Priority(bcReporterClause.Reporter)
        If lngPriority < lngBestPriority Then
            lngBestPriority = lngPriority
        End If
    Next bcReporterClause

    '-- Check each valid reporter. Add the reporter if it has a higher priority than the current highest priority.
    Set colPreferredReporters = New Collection
    For Each bcReporter In ValidReporters()
        If Priority(bcReporter) < lngBestPriority Then colPreferredReporters.Add bcReporter
    Next bcReporter
    Set PreferredReporters = colPreferredReporters

End Function

Private Function BestClause() As cClauseReporter

    '-- Returns the reporter clause with the highest priority.

    Dim bcReporterClause As cClauseReporter
    Dim lngBestPriority As Long
    Dim lngPriority As Long


    For Each bcReporterClause In Citation.ReporterClauses
        If Not (bcReporterClause Is BestClause) Then
            lngPriority = Priority(bcReporterClause.Reporter)
            If lngPriority < lngBestPriority Or lngBestPriority = 0 Then
                lngBestPriority = lngPriority
                Set BestClause = bcReporterClause
            End If
        End If
    Next bcReporterClause
```

```
End Function

Private Function ClauseMatchingGroup(GroupCode As Variant) As cClauseReporter

    '-- Returns an existing reporter clause in the citation that matches the supplied group code.

    Dim bcReporterClause As cClauseReporter


    For Each bcReporterClause In Citation.ReporterClauses
        If IsValidReporter(bcReporterClause.Reporter) Then
            If bcReporterClause.Reporter.GroupCode = GroupCode Then
                Set ClauseMatchingGroup = bcReporterClause
                Exit Function
            End If
        End If
    Next bcReporterClause

End Function

Private Function ValidReporters(Optional GroupCode As Variant) As Collection

    '-- Returns a collection of reporters that are not editor reporters and that match the date for the citation. If a group code
    '   is supplied, then only match reporters that have the same group code.

    Dim bcReporter As cReporter
    Dim lngYear As Long
    Dim colValidReporters As Collection


    Set colValidReporters = New Collection
    If Not (Citation.DateClause Is Nothing) Then lngYear = Citation.DateClause.Year

    For Each bcReporter In Citation.Court.Reporters
        If Not (bcReporter.IsEditorReporter) Then
            If (bcReporter.YearStart <= lngYear And lngYear <= bcReporter.YearEnd) Or lngYear = 0 Then
                If IsMissing(GroupCode) Then
                    colValidReporters.Add bcReporter
                ElseIf bcReporter.GroupCode = GroupCode Then
                    colValidReporters.Add bcReporter
                End If
            End If
        End If
    Next bcReporter

    Set ValidReporters = colValidReporters

End Function

Private Function ListOfReporters(Reporters As Collection) As String

    '-- Based on the supplied collection of reporters, create a string containing, e.g., "[ReporterA], [ReporterB] or
    '   [ReporterC]."

    Dim bcReporter As cReporter
    Dim i As Long


    For i = 1 To Reporters.Count
        If i = 1 Then
            ListOfReporters = Reporters(i).AbrvName
        ElseIf i < Reporters.Count Then
            ListOfReporters = ListOfReporters & ", " & Reporters(i).AbrvName
        Else
            If Reporters.Count < 3 Then
                ListOfReporters = ListOfReporters & " or " & Reporters(i).AbrvName
            Else
                ListOfReporters = ListOfReporters & ", or " & Reporters(i).AbrvName
            End If
        End If
    Next i

End Function
```

```
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Option Explicit

Public Sub CheckReporter()

    Dim bcReporterClause As cClauseReporter


    For Each bcReporterClause In Citation.ReporterClauses

        Call CheckIncorrectAbrv(bcReporterClause)
        If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub

        Call CheckMissingVolumeNumber(bcReporterClause)
        If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub

        Call CheckIncorrectVolumeNumber(bcReporterClause)
        If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub

        Call CheckMissingFirstPage(bcReporterClause)
        If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub

        Call CheckPunctuationAfterFirstPage(bcReporterClause)
        If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub

        Call CheckMissingPinpoint(bcReporterClause)
        If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub

        Call CheckInvalidYear(bcReporterClause)
        If ErrorForm.Result = Change Or ErrorForm.Result = Cancel Then Exit Sub

    Next bcReporterClause

End Sub

Private Sub CheckIncorrectAbrv(CurrentClause As cClauseReporter)

    '-- If the reporter is not punctuated or spelled correctly, then suggest correcting it.
    'Jones v. Smith, 200 U.SS. 500, 505 (1980)
    'Jones v. Smith, 200 FSupp 500, 505 (D. Md. 1980)
    'Jones v. Smith, 100 N.2d 105, 110 (1980)

    Dim colSuggestions As Collection
    Dim colUniqueReporters As Collection
    Dim bcReporter As cReporter


    If CurrentClause.Reporter.AbrvName <> CurrentClause.AbrvText Then

        '-- Generate a collection containing all of the reporters with similar names.
        Set colSuggestions = New Collection

        If Not (Citation.Court Is Nothing) Then Set colSuggestions = Citation.Court.Reporters.Items(CurrentClause.AbrvText, True, True)

        If colSuggestions.Count = 0 Then
            If Not (Citation.Jurisdiction Is Nothing) Then Set colSuggestions = Citation.Jurisdiction.AllReporters.Items(CurrentClause.Abrv
Text, True, True)
        End If

        If colSuggestions.Count = 0 Then
            Set colSuggestions = Jurisdictions.AllReporters.Items(CurrentClause.AbrvText, True, True)
        End If

        '-- colSuggestions may contain reporters with duplicate abbreviations. Filter out the duplicate abbreviations.
        Set colUniqueReporters = New Collection
        For Each bcReporter In colSuggestions
            If Not ExistsInCollection(bcReporter, colUniqueReporters) Then colUniqueReporters.Add bcReporter
        Next bcReporter

        '-- Display the error
        If colUniqueReporters.Count = 1 Then

            Call ErrorForm.LoadError("Rep IncorrectAbrv 1", CurrentClause.AbrvStart, CurrentClause.AbrvEnd, CurrentClause.Reporter.FullName
)
            If Not ErrorForm.IgnoreError Then
                Call ErrorForm.Suggestion.Change(CurrentClause.AbrvStart, CurrentClause.AbrvEnd, CurrentClause.Reporter.AbrvName)
                Call ErrorForm.Activate
            End If

        Else

            Call ErrorForm.LoadError("Rep IncorrectAbrv 2", CurrentClause.AbrvStart, CurrentClause.AbrvEnd)
            If Not ErrorForm.IgnoreError Then
                For Each bcReporter In colUniqueReporters
                    Call ErrorForm.Suggestion.Change(CurrentClause.AbrvStart, CurrentClause.AbrvEnd, bcReporter.AbrvName)
                    Call ErrorForm.DisplaySuggestion
                Next bcReporter
                Call ErrorForm.Activate
            End If

        End If

    End If

End Sub

Private Sub CheckMissingVolumeNumber(CurrentClause As cClauseReporter)

    '-- If the reporter citation is missing a volume number, then suggest inserting a placeholder or the correct volume number.
```

```
    Dim lngExpectedVolumeNumber As Long


    If CurrentClause.VolumeNumberLocation = 0 Then

        '-- If this clause has an associated editor clause with a valid volume number, or an associated editor clause that
        '   doesn't need a volume number, then calculate the correct volume number for this clause.
        If Not (CurrentClause.EditorClause Is Nothing) Then
            With CurrentClause.EditorClause
                If .VolumeNumber >= .Reporter.VolumeStart And .VolumeNumber <= .Reporter.VolumeEnd Then
                    lngExpectedVolumeNumber = (.VolumeNumber - .Reporter.VolumeStart) + .Reporter.MainReporterVolumeFirst
                ElseIf .VolumeNumber = 0 Then
                    If .Reporter.VolumeStart = .Reporter.VolumeEnd Then lngExpectedVolumeNumber = .Reporter.MainReporterVolumeFirst
                End If
            End With
        End If

        If lngExpectedVolumeNumber > 0 Then
            '>> Jones v. Smith, U.S. (3 Wheat.) 500, 505 (1820)
            '>> Jones v. Smith, Ky. (Sneed) 500, 505 (1803)

            Call ErrorForm.LoadError("Rep MissingVolumeNumber A", CurrentClause.AbrvStart, CurrentClause.AbrvEnd, CurrentClause.Reporter.Fu
llName)
            If Not ErrorForm.IgnoreError Then
                Call ErrorForm.Suggestion.Insert(CurrentClause.AbrvStart, lngExpectedVolumeNumber)
                Call ErrorForm.Activate
            End If

        Else
            '>> Jones v. Smith, U.S. 500, 505 (1990)

            Call ErrorForm.LoadError("Rep MissingVolumeNumber B", CurrentClause.AbrvStart, CurrentClause.AbrvEnd, CurrentClause.Reporter.Fu
llName)
            If Not ErrorForm.IgnoreError Then
                Call ErrorForm.Suggestion.Insert(CurrentClause.AbrvStart, "__")
                Call ErrorForm.Activate
            End If

        End If

    End If

End Sub

Private Sub CheckIncorrectVolumeNumber(CurrentClause As cClauseReporter)

    '-- If the volume number is outside of the correct range of volume numbers for the reporter, then suggest changing or
    '   replacing the volume number.
    '>> Jones v. Smith, 70 Del. 200, 205 (1960)

    If CurrentClause.VolumeNumber > 0 Then

        If Not (CurrentClause.Reporter.VolumeStart <= CurrentClause.VolumeNumber _
        And CurrentClause.VolumeNumber <= CurrentClause.Reporter.VolumeEnd) Then

            Call ErrorForm.LoadError("Rep IncorrectVolumeNumber", CurrentClause.VolumeNumberLocation, CurrentClause.VolumeNumberLocation, C
urrentClause.Reporter.FullName)
            If Not ErrorForm.IgnoreError Then
                Call ErrorForm.Suggestion.Change(CurrentClause.VolumeNumberLocation, CurrentClause.VolumeNumberLocation, "__")
                Call ErrorForm.Activate
            End If

        End If

    End If

End Sub

Private Sub CheckMissingFirstPage(CurrentClause As cClauseReporter)

    '-- If the first page number is missing, then suggest inserting a placeholder.
    '>> Jones v. Smith, 100 N.W.2d (Minn. 1990)
    '>> Jones v. Smith, 100 N.W.2d, 205 (Minn. 1990)

    If CurrentClause.FirstPageLocation = 0 Then

        Call ErrorForm.LoadError("Rep MissingFirstPage", 0, 0, CurrentClause.Reporter.FullName)
        If Not ErrorForm.IgnoreError Then
            Call ErrorForm.Suggestion.Insert(CurrentClause.AbrvEnd + 1, "__")
            Call ErrorForm.Activate
        End If

    End If

End Sub

Private Sub CheckPunctuationAfterFirstPage(CurrentClause As cClauseReporter)

    '-- If the punctuation between the first page number and the pinpoint page number is not a single comma, then suggest inserting
    '   a comma or changing the existing punctuation to a comma.

    Dim strPunctuation As String


    If CurrentClause.FirstPageLocation > 0 _
    And CurrentClause.PinStart > 0 Then

        If CurrentClause.PinStart = CurrentClause.FirstPageLocation + 1 Then

        '-- Suggest inserting a comma.
        '>> Jones v. Smith, 123 N.W.2d 456 480 (Minn. 1980)
```

```
            Call ErrorForm.LoadError("Rep PunctuationAfterFirstPage A", CurrentClause.FirstPageLocation, CurrentClause.PinStart)
            If Not ErrorForm.IgnoreError Then
                Call ErrorForm.Suggestion.Insert(CurrentClause.PinStart, ",")
                Call ErrorForm.Activate
            End If

        Else
            strPunctuation = ActiveDoc.Words(CurrentClause.FirstPageLocation + 1, CurrentClause.PinStart - 1)
            If strPunctuation <> "," Then

            '-- Suggest changing the incorrect punctuation to a comma.
            '>> Jones v. Smith, 123 N.W.2d 456,, 480 (Minn. 1980)
            '>> Jones v. Smith, 123 N.W.2d 456) 480 (Minn. 1980)

                Call ErrorForm.LoadError("Rep PunctuationAfterFirstPage B", CurrentClause.FirstPageLocation + 1, CurrentClause.PinStart - 1
)
                If Not ErrorForm.IgnoreError Then
                    Call ErrorForm.Suggestion.Change(CurrentClause.FirstPageLocation + 1, CurrentClause.PinStart - 1, ",")
                    Call ErrorForm.Activate
                End If

            End If
        End If
    End If

End Sub

Private Sub CheckMissingPinpoint(CurrentClause As cClauseReporter)

    '-- If the pinpoint page number is missing, then suggest inserting a placeholder for the pinpoint page number.
    '>> Jones v. Smith, 123 N.W.2d 456 (Minn. 1980)

    If CurrentClause.PinStart = 0 And CurrentClause.FirstPageLocation > 0 Then

        Call ErrorForm.LoadError("Dec MissingPinpoint", 0, 0, CurrentClause.Reporter.FullName)
        If Not ErrorForm.IgnoreError Then
            If ActiveDoc.Words(CurrentClause.FirstPageLocation + 1) = "," Then
                Call ErrorForm.Suggestion.Insert(CurrentClause.FirstPageLocation + 2, "__,")
            Else
                Call ErrorForm.Suggestion.Insert(CurrentClause.FirstPageLocation + 1, ", __,")
            End If
            Call ErrorForm.Activate
        End If

    End If

End Sub

Private Sub CheckInvalidYear(CurrentClause As cClauseReporter)

    '-- If the associated reporter's year range does not correspond to the year in the date clause, then suggest that the user
    '   correct the discrepancy.
    '>> Jones v. Smith, 100 Minn. 105, 110, 200 N.W.2d 205, 210 (1990)

    If Citation.Year > 0 And Not (Citation.Court Is Nothing) Then

        '-- Do not check the date if the reporter is not used by this court.
        If CurrentClause.Reporter.Parent.Parent Is Citation.Court.Parent Then

            If Citation.Year < CurrentClause.Reporter.YearStart _
            Or Citation.Year > CurrentClause.Reporter.YearEnd Then

                '-- Only flag an error if the year is within court's year range.  (Otherwise, the error will be handled elsewhere.)
                If Citation.Court.YearStart <= Citation.Year And Citation.Year <= Citation.Court.YearEnd Then

                    Call ErrorForm.LoadError("Rep InvalidYear 1", Citation.DateClause.DateStart, Citation.DateClause.DateEnd, CurrentClause
.Reporter.AbrvName)
                    If Not ErrorForm.IgnoreError Then
                        Call ErrorForm.Suggestion.Change(Citation.DateClause.DateStart, Citation.DateClause.DateEnd, "____")
                        Call ErrorForm.Activate
                    End If

                End If
            End If
        End If
    End If

End Sub
```

```
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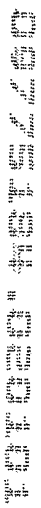
Option Explicit

Public Const bcDBLQUOTE As String = """"
Public Const bcHIGHLIGHTCOLOR = vbRed

Public Enum bcButtonPress
    None
    Cancel
    Change
    Ignore
    IgnoreRule
End Enum

Public Citation As cCitation
Public ErrorForm As cErrorForm
Public Suggestion As cDocument
Public AbrvsTable10 As cAbbreviations
Public AbrvsTable6 As cAbbreviations
Public AbrvsAll As cAbbreviations
```



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Option Explicit

Public Function ClausesAreAdjacent(ByRef FirstClause As IClause, ByRef SecondClause As IClause) As Boolean

    If FirstClause Is Nothing Or SecondClause Is Nothing Then Exit Function

    If ActiveDoc.Words.NextFullWord(FirstClause.ClauseEnd) >= SecondClause.ClauseStart Then
        ClausesAreAdjacent = True
    End If

End Function

Public Function AppropriateJurisdictionPosition(ByRef Citation As cCitation) As Long

    '-- Returns the word number of where the jurisdiction should be in the citation.

    AppropriateJurisdictionPosition = AppropriateDecisionClausePosition(Citation)
    If ActiveDoc.Words(AppropriateJurisdictionPosition) = "(" Then
        AppropriateJurisdictionPosition = AppropriateJurisdictionPosition + 1
    End If

End Function

Public Function AppropriateCourtPosition(ByRef Citation As cCitation) As Long

    '-- Returns the word number of where the court should be in the citation.

    If Citation.JurisdictionClause Is Nothing Then
        AppropriateCourtPosition = AppropriateJurisdictionPosition(Citation)
    Else
        AppropriateCourtPosition = Citation.JurisdictionClause.JurEnd + 1
    End If

End Function

Public Function AppropriateDatePosition(ByRef Citation As cCitation) As Long

    If Citation.JurisdictionClause Is Nothing _
    And Citation.CourtClause Is Nothing Then

        AppropriateDatePosition = AppropriateJurisdictionPosition(Citation)

    ElseIf Not (Citation.CourtClause Is Nothing) Then

        If Not (Citation.DateClause Is Nothing) Then
            If ActiveDoc.Words.NextFullWord(Citation.CourtClause.CourtStart) = Citation.DateClause.DateStart Then
                AppropriateDatePosition = Citation.DateClause.DateStart
            Else
                AppropriateDatePosition = Citation.CourtClause.CourtEnd + 1
            End If
        Else
            AppropriateDatePosition = Citation.CourtClause.CourtEnd + 1
        End If

    ElseIf Not (Citation.JurisdictionClause Is Nothing) Then

        If Not (Citation.DateClause Is Nothing) Then
            If ActiveDoc.Words.NextFullWord(Citation.JurisdictionClause.JurEnd) = Citation.DateClause.DateStart Then
                AppropriateDatePosition = Citation.DateClause.DateStart
            Else
                AppropriateDatePosition = Citation.JurisdictionClause.JurEnd + 1
            End If
        Else
            AppropriateDatePosition = Citation.JurisdictionClause.JurEnd + 1
        End If

    End If

End Function

Public Function AppropriateDecisionClausePosition(ByRef Citation As cCitation) As Long

   '-- Returns the word number of where the decision clause should begin in the citation.

    Dim bcClause As IClause


    Set bcClause = LastClauseOfType(Citation, "cClauseReporter")
    If Not (bcClause Is Nothing) Then
        AppropriateDecisionClausePosition = bcClause.ClauseEnd + 1
    Else
        Set bcClause = LastClauseOfType(Citation, "cClauseJurisdiction")
        If Not (bcClause Is Nothing) Then
            AppropriateDecisionClausePosition = bcClause.ClauseStart
        Else
            Set bcClause = LastClauseOfType(Citation, "cClauseCourt")
            If Not (bcClause Is Nothing) Then
                AppropriateDecisionClausePosition = bcClause.ClauseStart
            Else
                Set bcClause = LastClauseOfType(Citation, "cClauseDate")
                If Not (bcClause Is Nothing) Then
                    AppropriateDecisionClausePosition = bcClause.ClauseStart
                Else
                    AppropriateDecisionClausePosition = Citation.CitationEnd
                End If
            End If
        End If
    End If
```

```
    If ActiveDoc.Words(AppropriateDecisionClausePosition) = "," _
    And Not (AppropriateDecisionClausePosition = Citation.CitationEnd) Then
        AppropriateDecisionClausePosition = AppropriateDecisionClausePosition + 1
    End If

End Function

Private Function LastClauseOfType(Citation As cCitation, ClauseTypeName As String) As IClause

    Dim bcClause As IClause
    Dim i As Long


    For i = Citation.AllClauses.Count To 1 Step -1
        Set bcClause = Citation.AllClauses(i)
        If TypeName(bcClause) = ClauseTypeName Then
            Set LastClauseOfType = bcClause
            Exit Function
        End If
    Next i

End Function
```

```
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Option Explicit

Private mcolAllClauses As cClauses

Private mcolCaseNameClauses As Collection
Private mcolReporterClauses As Collection
Private mcolCourtClauses As Collection
Private mcolJurisdictionClauses As Collection

Private mbcCaseNameClause As cClauseCaseName
Private mbcCourtClause As cClauseCourt
Private mbcDateClause As cClauseDate
Private mbcJurisdictionClause As cClauseJurisdiction

Private mbcCourt As cCourt
Private mbcJurisdiction As cJurisdiction

Private mlngCitationStart As Long
Private mlngCitationEnd As Long
Private mlngCitationMaximumEnd As Long

Private mlngDecisionClauseStart As Long
Private mlngDecisionClauseEnd As Long
Private mbolWordUsed() As Boolean

Private mlngScore As Long

Public Property Get Court() As cCourt
    Set Court = mbcCourt
End Property

Public Property Get Jurisdiction() As cJurisdiction
    Set Jurisdiction = mbcJurisdiction
End Property

Public Property Get CitationStart() As Long
    CitationStart = mlngCitationStart
End Property

Public Property Get CitationEnd() As Long
    CitationEnd = mlngCitationEnd
End Property

Public Property Get AllClauses() As cClauses
    Set AllClauses = mcolAllClauses
End Property

Public Property Get CaseNameClause() As cClauseCaseName
    Set CaseNameClause = mbcCaseNameClause
End Property

Public Property Get CourtClause() As cClauseCourt
    Set CourtClause = mbcCourtClause
End Property

Public Property Get DateClause() As cClauseDate
    Set DateClause = mbcDateClause
End Property

Public Property Get JurisdictionClause() As cClauseJurisdiction
    Set JurisdictionClause = mbcJurisdictionClause
End Property

Public Property Get ReporterClauses() As Collection
    Set ReporterClauses = mcolReporterClauses
End Property

Public Property Get DecisionClauseStart() As Long
    DecisionClauseStart = mlngDecisionClauseStart
End Property

Public Property Get DecisionClauseEnd() As Long
    DecisionClauseEnd = mlngDecisionClauseEnd
End Property

Public Property Get WordIsRecognized(WordNumber As Long) As Boolean
    WordIsRecognized = mbolWordUsed(WordNumber)
End Property

Public Property Get Text() As String
    Text = ActiveDoc.Words(mlngCitationStart, mlngCitationEnd)
End Property

Friend Property Get Score() As Long
    Score = mlngScore
End Property

Public Function Year() As Long
    If Not (mbcDateClause Is Nothing) Then Year = mbcDateClause.Year
End Function


Public Sub Initialize(Clauses As Collection, CitationEnd)

    Dim bcClause As IClause

    '-- Identify the start and provisional (maximum) end of the citation.
    Set bcClause = Clauses(1)
    mlngCitationStart = bcClause.ClauseStart
```

```
    If TypeOf bcClause Is cClauseJurisdiction Or TypeOf bcClause Is cClauseCourt Or TypeOf bcClause Is cClauseDate Then
        If ActiveDoc.Words(mlngCitationStart - 1) = "(" Then mlngCitationStart = mlngCitationStart - 1
    End If
    mlngCitationEnd = CitationEnd

    Call LoadClauses(Clauses)
    Call MarkRecognizedWords

    Set mbcJurisdiction = BestJurisdiction()
    Set mbcCourt = BestCourt()

    Call LocatePageAndVolumeNumbers
    Call LocateCitationEnd

    mlngScore = CalculateScore()

'    Call AssociateEditorReporters
'    Call AssociateReportersWithCourt

End Sub

Private Sub LoadClauses(Clauses As Collection)

    '-- Sort each clause into the respective collection.

    Dim bcClause As IClause
    Dim bcPriorReporterClause As cClauseReporter
    Dim bcEditor As cEditor


    Set mcolAllClauses = New cClauses
    Set mcolReporterClauses = New Collection
    Set mcolCaseNameClauses = New Collection
    Set mcolCourtClauses = New Collection
    Set mcolJurisdictionClauses = New Collection

    For Each bcClause In Clauses

        If TypeOf bcClause Is cClauseCaseName Then
            Set mbcCaseNameClause = bcClause
            mcolAllClauses.Add bcClause
            mcolCaseNameClauses.Add bcClause
        ElseIf TypeOf bcClause Is cClauseCourt Then
            mcolCourtClauses.Add bcClause
            mcolAllClauses.Add bcClause
        ElseIf TypeOf bcClause Is cClauseDate Then
            Set mbcDateClause = bcClause
            mcolAllClauses.Add bcClause
        ElseIf TypeOf bcClause Is cClauseJurisdiction Then
            mcolJurisdictionClauses.Add bcClause
            mcolAllClauses.Add bcClause
        ElseIf TypeOf bcClause Is cClauseReporter Then

            Set bcEditor = IsEditor(bcClause)
            If Not (bcEditor Is Nothing) Then
                Set bcPriorReporterClause = mcolAllClauses(mcolAllClauses.Count)
                Set bcPriorReporterClause.EditorClause = bcEditor
            Else
                mcolReporterClauses.Add bcClause
                mcolAllClauses.Add bcClause
            End If
            Set bcEditor = Nothing

        End If

    Next bcClause

End Sub

Private Function IsEditor(ReporterClause As cClauseReporter) As cEditor

    '-- If the last clause before this clause was a reporter clause, then test whether this clause looks sufficiently
    '   like an editor that it should be added as an editor to the prior reporter clause.

    Dim bcEditor As cEditor
    Dim bcPriorReporterClause As cClauseReporter


    If mcolReporterClauses.Count > 0 Then
        If TypeOf mcolAllClauses(mcolAllClauses.Count) Is cClauseReporter Then

            Set bcPriorReporterClause = mcolAllClauses(mcolAllClauses.Count)
            Set bcEditor = New cEditor
            With bcEditor
                Set .Reporter = ReporterClause.Reporter
                .AbrvStart = ReporterClause.AbrvStart
                .AbrvEnd = ReporterClause.AbrvEnd
                If .EditorScore(bcPriorReporterClause.AbrvEnd) >= 6 Then Set IsEditor = bcEditor
            End With

        End If
    End If

End Function

Private Function BestJurisdiction() As cJurisdiction

    '-- Sets mbcJurisdiction to the best jurisdiction indicated by the citation's jurisdiction clause, court clause and
    '   reporter clauses.

    Dim bcJurisdictionClause As cClauseJurisdiction
```

```
    Dim bcReporterClause As cClauseReporter
    Dim bcCourtClause As cClauseCourt
    Dim bcJurisdiction As cJurisdiction
    Dim strClauseText As String
    Dim lngBestScore As Long


    Call Jurisdictions.ScoreReset

    For Each bcJurisdictionClause In mcolJurisdictionClauses

        '-- Award points for the jurisdiction identified by the jurisdiction clause(s).
        Set bcJurisdiction = bcJurisdictionClause.Jurisdiction
        bcJurisdiction.Score = bcJurisdiction.Score + 50 * bcJurisdictionClause.Score

        '-- Award points if, for each reporter clause, the reporter is used by this jurisdiction.
        For Each bcReporterClause In mcolReporterClauses
            If ReporterUsedByJurisdiction(bcReporterClause, bcJurisdiction) Then
                bcJurisdiction.Score = bcJurisdiction.Score + 20 * bcReporterClause.Score
            End If
        Next bcReporterClause

    Next bcJurisdictionClause

    '-- Award points for the jurisdiction implicit in any of the reporter clauses. Award three points if the jurisdiction is
    '   implicit in the court (e.g., a federal court); otherwise, award two points.
    For Each bcReporterClause In mcolReporterClauses
        If bcReporterClause.Reporter.JurisdictionImplicit = True Then
            Set bcJurisdiction = bcReporterClause.Reporter.Parent.Parent
            If Not (bcReporterClause.Reporter.ImplicitCourt Is Nothing) Then
                bcJurisdiction.Score = bcJurisdiction.Score + 30 * bcReporterClause.Score
            Else
                bcJurisdiction.Score = bcJurisdiction.Score + 20 * bcReporterClause.Score
            End If
        End If
    Next bcReporterClause

    For Each bcCourtClause In mcolCourtClauses
        If bcCourtClause.Court.JurisdictionImplicit = True Then

            '-- Award points for the jurisdiction implicit in the court clause(s).
            Set bcJurisdiction = bcCourtClause.Court.Parent
            bcJurisdiction.Score = bcJurisdiction.Score + 20 * bcCourtClause.Score

            '-- Award points if, for each reporter clause, the reporter is used by this jurisdiction.
            For Each bcReporterClause In mcolReporterClauses
                If ReporterUsedByJurisdiction(bcReporterClause, bcJurisdiction) Then
                    bcJurisdiction.Score = bcJurisdiction.Score + 20 * bcReporterClause.Score
                End If
            Next bcReporterClause

        End If
    Next bcCourtClause

    '-- Select the jurisdiction with the highest score.
    Set BestJurisdiction = Jurisdictions.ScoreBest

    '-- Search for the most appropriate jurisdiction clause, if there is one.

    '-- First, if the jurisdiction was identified above, then look for the jurisdiction clause that best matches this jurisdiction.
    If Not (mbcJurisdiction Is Nothing) Then
        For Each bcJurisdictionClause In mcolJurisdictionClauses
            If bcJurisdictionClause.Jurisdiction Is mbcJurisdiction Then
                If mbcJurisdictionClause Is Nothing Then
                    Set mbcJurisdictionClause = bcJurisdictionClause
                    lngBestScore = bcJurisdictionClause.Score
                ElseIf bcJurisdictionClause.Score > lngBestScore Then
                    Set mbcJurisdictionClause = bcJurisdictionClause
                    lngBestScore = bcJurisdictionClause.Score
                End If
            End If
        Next bcJurisdictionClause
    End If

    '-- If no jurisdiction clause was identified in the first pass, just look for the best jurisdiction clause period (regardless of a
    '   matching court.)
    If mbcJurisdictionClause Is Nothing Then
        For Each bcJurisdictionClause In mcolJurisdictionClauses
            If mbcJurisdictionClause Is Nothing Then
                Set mbcJurisdictionClause = bcJurisdictionClause
                lngBestScore = bcJurisdictionClause.Score
            ElseIf bcJurisdictionClause.Score > lngBestScore Then
                Set mbcJurisdictionClause = bcJurisdictionClause
                lngBestScore = bcJurisdictionClause.Score
            End If
        Next bcJurisdictionClause
    End If

End Function

Private Function ReporterUsedByJurisdiction(ReporterClause As cClauseReporter, Jurisdiction As cJurisdiction) As Boolean

    Dim strReporterText As String

    strReporterText = ActiveDoc.Words(ReporterClause.AbrvStart, ReporterClause.AbrvEnd)
    If Not (Jurisdiction.AllReporters.Item(strReporterText, True, True) Is Nothing) Then ReporterUsedByJurisdiction = True

End Function

Private Function BestCourt() As cCourt
```

```
    '-- Returns the best court indicated by the citation's clauses.

    Dim lngYear As Long
    Dim bcCourtClause As cClauseCourt
    Dim bcReporterClause As cClauseReporter
    Dim strClauseText As String
    Dim bcFunctions As New cPublicFunctions
    Dim bcCourt As cCourt
    Dim lngBestScore As Long


    If Not (mbcJurisdiction Is Nothing) Then

        '-- If the jurisdiction was identified, then look for the clause that best identifies the court.

        If Not mbcDateClause Is Nothing Then lngYear = mbcDateClause.Year
        Call mbcJurisdiction.Courts.ScoreReset

        '-- Award points for each court identified by a court clause that is consistent with the jurisdiction.  Also, fix the
        '   court clause's associated court so that in "Minn. Ct. App.", e.g., the associated court refers to Minnesota's
        '   court of appeals, not the Alabama court of appeals.

        For Each bcCourtClause In mcolCourtClauses
            strClauseText = bcCourtClause.Text
            Set bcCourt = mbcJurisdiction.Courts.Item(strClauseText, True, True, lngYear)
            If Not (bcCourt Is Nothing) Then
                Set bcCourtClause.Court = bcCourt
                bcCourt.Score = bcCourt.Score + 30
            End If
        Next bcCourtClause

        '-- Award points for each court that is implicit within the reporter clause.

        For Each bcReporterClause In mcolReporterClauses
            Set bcCourt = bcReporterClause.Reporter.ImplicitCourt
            If Not (bcCourt Is Nothing) Then
                If bcCourt.Parent Is mbcJurisdiction Then
                    bcCourt.Score = bcCourt.Score + 1
                End If
            End If
        Next bcReporterClause

        Set BestCourt = mbcJurisdiction.Courts.ScoreBest


        '-- If no potential courts were found above, then look for a court within the jurisdiction that does not need an explicit
        '   court designation. (I.e., a federal or state supreme court.)

        If BestCourt Is Nothing And Not (mbcJurisdiction Is Nothing) Then

            Set bcCourt = mbcJurisdiction.Courts.Item("", False, False, lngYear)
            If Not (bcCourt Is Nothing) Then

                If mbcJurisdiction.FullName = "Federal" Then
                    '-- If the jurisdiction is federal and there is no court clause, then set the court to the U.S. Supreme Court
                    '   only if there are no reporters or at least one of the reporters is valid for the Supreme Court.
                    '   (Do not accept, e.g., "123 F.2d 456 (1980)" as the Supreme Court.)
                    If mcolReporterClauses.Count = 0 Then
                        Set BestCourt = bcCourt
                    ElseIf bcFunctions.ReportersCompatibleWithCourt(bcCourt, mcolReporterClauses) >= 1 Then
                        Set BestCourt = bcCourt
                    End If
                Else
                    Set BestCourt = bcCourt
                End If

            End If
        End If

    End If

    '-- Search for the most appropriate court clause, if there is one.

    '-- First, if the court was identified above, then look for the court clause that best matches this court.
    If Not (mbcCourt Is Nothing) Then
        For Each bcCourtClause In mcolCourtClauses
            If bcCourtClause.Court Is mbcCourt Then
                If mbcCourtClause Is Nothing Then
                    Set mbcCourtClause = bcCourtClause
                    lngBestScore = bcCourtClause.Score
                ElseIf bcCourtClause.Score > lngBestScore Then
                    Set mbcCourtClause = bcCourtClause
                    lngBestScore = bcCourtClause.Score
                End If
            End If
        Next bcCourtClause
    End If

    '-- If no court clause was identified in the first pass, just look for the best court clause period (regardless of a
    '   matching court.)
    If mbcCourtClause Is Nothing Then
        For Each bcCourtClause In mcolCourtClauses
            If mbcCourtClause Is Nothing Then
                Set mbcCourtClause = bcCourtClause
                lngBestScore = bcCourtClause.Score
            ElseIf bcCourtClause.Score > lngBestScore Then
                Set mbcCourtClause = bcCourtClause
                lngBestScore = bcCourtClause.Score
            End If
        Next bcCourtClause
    End If
```

```
End Function

Private Sub LocatePageAndVolumeNumbers()

    '-- For each reporter clause, identify the volume number, first page number and pinpoint page numbers.
    '   Note: this first identifies the volume number, then the first page number, and then the volume number, in that order,
    '   so that if one reporter clause "wants" that number as a page number, but the other wants it as a volume number, the
    '   volume number will prevail.

    Dim bcReporterClause As cClauseReporter
    Dim lngWord As Long
    Dim strWord As String
    Dim strWordTrim As String
    Dim i As Long


    '-- Identify the volume numbers.
    For Each bcReporterClause In mcolReporterClauses
        lngWord = bcReporterClause.ClauseStart - 1
        If Not mbolWordUsed(lngWord) Then
            If ActiveDoc.Words.IsNumber(lngWord, True) Then
                bcReporterClause.VolumeNumberLocation = lngWord
                mbolWordUsed(lngWord) = True
            End If
        End If
    Next bcReporterClause

    '-- Identify the first page locations.
    For Each bcReporterClause In mcolReporterClauses
        lngWord = bcReporterClause.ClauseEnd + 1
        If ActiveDoc.Words.IsNumber(lngWord, True) Then
            bcReporterClause.FirstPageLocation = lngWord
            mbolWordUsed(lngWord) = True
        ElseIf ActiveDoc.Words(lngWord) = "." Then
            If Not mbolWordUsed(lngWord + 1) Then
                If ActiveDoc.Words.IsNumber(lngWord + 1, True) Then
                    bcReporterClause.FirstPageLocation = lngWord + 1
                    mbolWordUsed(lngWord + 1) = True
                End If
            End If
        End If
    Next bcReporterClause

    '-- Identify the pinpoint page numbers
    For Each bcReporterClause In mcolReporterClauses
        With bcReporterClause

            For i = bcReporterClause.ClauseEnd + 1 To mlngCitationEnd

                If mbolWordUsed(i) = True Then Exit For

                strWordTrim = ActiveDoc.Words.WordsTrim(i)
                strWord = ActiveDoc.Words(i)

                If strWord <> "," Then

                    If ActiveDoc.Words.IsNumber(i, True) Then
                        If .PinStart = 0 Then .PinStart = i
                        bcReporterClause.PinEnd = i
                    ElseIf ActiveDoc.Words.IsNumber(i + 1, True) Then
                        If strWordTrim = "page" _
                        Or strWordTrim = "pages" _
                        Or strWordTrim = "note" _
                        Or strWordTrim = "notes" _
                        Or strWordTrim = "footnote" _
                        Or strWordTrim = "footnotes" _
                        Or strWordTrim = "to" _
                        Or strWordTrim = "and" _
                        Or strWordTrim = "at" _
                        Or strWord = "*" _
                        Or strWord = "**" _
                        Or strWord = "***" _
                        Or strWord = "****" _
                        Or strWord = "-" _
                        Or strWordTrim = "p" _
                        Or strWordTrim = "pg" _
                        Or strWordTrim = "pp" _
                        Or strWordTrim = "n" _
                        Or strWordTrim = "nn" _
                        Or strWordTrim = "ns" _
                        Or strWordTrim = "fn" _
                        Or strWordTrim = "fns" Then
                            If .PinStart = 0 Then .PinStart = i
                            .PinEnd = i + 1
                        End If
                    ElseIf ActiveDoc.Words(i + 1) = "." And ActiveDoc.Words.IsNumber(i + 2, True) Then
                        If strWordTrim = "p" _
                        Or strWordTrim = "pg" _
                        Or strWordTrim = "pp" _
                        Or strWordTrim = "n" _
                        Or strWordTrim = "nn" _
                        Or strWordTrim = "ns" _
                        Or strWordTrim = "fn" _
                        Or strWordTrim = "fns" Then
                            If .PinStart = 0 Then .PinStart = i
                            .PinEnd = i + 2
                        End If
                    End If
                    If .PinStart = 0 And strWordTrim <> "" Then Exit For
```

```
                End If

            Next i

            If .PinEnd > 0 Then
                For i = .PinStart To .PinEnd
                    mbolWordUsed(i) = True
                Next i
            End If

        End With
    Next bcReporterClause

End Sub

Private Sub LocateCitationEnd()

    Dim bcLastClause As IClause
    Dim i As Long
    Dim strWord As String
    Dim lngInsideParenth As Long
    Dim lngBestParenthEnd As Long


    Set bcLastClause = mcolAllClauses(mcolAllClauses.Count)

    '-- First, set the citation end to any semicolon that follows the last clause.
    For i = bcLastClause.ClauseEnd + 1 To mlngCitationEnd
        If ActiveDoc.Words(i) = ";" Then
            mlngCitationEnd = i - 1
            Exit For
        End If
    Next i

    '-- Next, determine whether there is a mismatched parentheses count -- that is, whether the citation should have a close
    '   parenthesis after the last clause.  Start by counting the parentheses to the left of the last clause
    For i = bcLastClause.ClauseStart - 1 To mlngCitationStart Step -1
        strWord = ActiveDoc.Words(i)
        If strWord = "(" Then
            lngInsideParenth = lngInsideParenth + 1
        ElseIf strWord = ")" Then
            lngInsideParenth = lngInsideParenth - 1
        End If
    Next i

    '-- If the parentheses are imballanced, then look for the correct number of closed parentheses after the last clause.
    If lngInsideParenth > 0 Then
        For i = bcLastClause.ClauseEnd + 1 To mlngCitationEnd
            strWord = ActiveDoc.Words(i)
            If strWord = "(" Then
                lngInsideParenth = lngInsideParenth + 1
            ElseIf strWord = ")" Then
                lngInsideParenth = lngInsideParenth - 1
                lngBestParenthEnd = i
                If lngInsideParenth = 0 Then Exit For
            End If
        Next i
        If lngBestParenthEnd > 0 Then mlngCitationEnd = lngBestParenthEnd
    End If

End Sub

Private Function CalculateScore() As Long

    Dim lngScore As Long
    Dim lngAverageClauseScore As Long
    Dim bcClause As IClause
    Dim bcJurisdictionClause As cClauseJurisdiction
    Dim bcCourtClause As cClauseCourt
    Dim bcReporterClause As cClauseReporter
    Dim bcClauseIDingJur As IClause
    Dim bcClauseIDingCourt As IClause
    Dim i As Long


    '-- Award up to 100 points for the case name clause.
    If Not (mbcCaseNameClause Is Nothing) Then
        Set bcClause = mbcCaseNameClause
        lngScore = 100 * bcClause.Score
    End If

    '-- Award up to 150 points based on the average reporter clause score.
    If mcolReporterClauses.Count > 0 Then
        For Each bcClause In mcolReporterClauses
            lngAverageClauseScore = lngAverageClauseScore + 150 * bcClause.Score
        Next bcClause
        lngAverageClauseScore = lngAverageClauseScore / mcolReporterClauses.Count
        lngScore = lngScore + lngAverageClauseScore
    End If

    '-- Award up to 100 points for the identification of the jurisdiction.
    If Not (mbcJurisdiction Is Nothing) Then
        For Each bcJurisdictionClause In mcolJurisdictionClauses
            If bcJurisdictionClause.Jurisdiction Is mbcJurisdiction Then
                Set bcClauseIDingJur = bcJurisdictionClause
                Exit For
            End If
        Next bcJurisdictionClause
        If bcClauseIDingJur Is Nothing Then
            For Each bcCourtClause In mcolCourtClauses
                If bcCourtClause.Court.ImplicitJurisdiction Is mbcJurisdiction Then
```

```
                    Set bcClauseIDingJur = bcCourtClause
                    Exit For
                End If
            Next bcCourtClause
        End If
        If bcClauseIDingJur Is Nothing Then
            For Each bcReporterClause In mcolReporterClauses
                If bcReporterClause.Reporter.ImplicitJurisdiction Is mbcJurisdiction Then
                    Set bcClauseIDingJur = bcReporterClause
                    Exit For
                End If
            Next bcReporterClause
        End If
        If Not (bcClauseIDingJur Is Nothing) Then lngScore = lngScore + 100 * bcClauseIDingJur.Score
    End If

    '-- Award up to 100 points for the clause that identifies the court.  If the court was identified, award points based on the
    '   the clause that IDd it.  Otherwise, award points for the identified court clause, if any.

    If Not (mbcCourt Is Nothing) Then
        For Each bcCourtClause In mcolCourtClauses
            If bcCourtClause.Court Is mbcCourt Then
                Set bcClauseIDingCourt = bcCourtClause
                Exit For
            End If
        Next bcCourtClause
        If bcClauseIDingCourt Is Nothing Then
            For Each bcReporterClause In mcolReporterClauses
                If bcReporterClause.Reporter.ImplicitCourt Is mbcCourt Then
                    Set bcClauseIDingCourt = bcReporterClause
                    Exit For
                End If
            Next bcReporterClause
        End If
        If bcClauseIDingCourt Is Nothing Then
            If mbcCourt.AbrvNameTrim = "" Then
                Set bcClauseIDingCourt = bcClauseIDingJur
            End If
        End If
    End If
    If Not (bcClauseIDingCourt Is Nothing) Then
        lngScore = lngScore + 50 * bcClauseIDingCourt.Score
    ElseIf Not (mbcCourtClause Is Nothing) Then
        Set bcClauseIDingCourt = mbcCourtClause
        lngScore = lngScore + 100 * bcClauseIDingCourt.Score
    End If

    '-- Award up to 100 points for the identification of the date.
    If Not (mbcDateClause Is Nothing) Then
        Set bcClause = mbcDateClause
        lngScore = lngScore + 100 * bcClause.Score
    End If

    '-- Subtract 50 points for each case name clause, court clause or jurisdiction clause greater than one.
    If mcolCaseNameClauses.Count > 1 Then lngScore = lngScore - 50 * (mcolCaseNameClauses.Count - 1)
    If mcolCourtClauses.Count > 1 Then lngScore = lngScore - 50 * (mcolCourtClauses.Count - 1)
    If mcolJurisdictionClauses.Count > 1 Then lngScore = lngScore - 50 * (mcolJurisdictionClauses.Count - 1)

    '-- Subtract 50 points for each instance where the reporter clauses are not contiguous.
    If mcolReporterClauses.Count > 1 Then
        '-- Step through every reporter clause except the last one, and determine if its next clause is a reporter clause.
        For i = 1 To mcolReporterClauses.Count - 1
            Set bcClause = mcolReporterClauses(i)
            If Not (TypeOf bcClause.NextClause Is cClauseReporter) Then lngScore = lngScore - 50
        Next i
    End If

    '-- Subtract 10 points for each unrecognized word, and subtract 100 points if a semicolon is encountered.
    For i = mlngCitationStart To mlngCitationEnd
        If Not mbolWordUsed(i) Then
            If Not (ActiveDoc.Words.WordsTrim(i) = "") Then lngScore = lngScore - 10
            If ActiveDoc.Words(i) = ";" Then lngScore = lngScore - 100
        End If
    Next i

    CalculateScore = lngScore

End Function

Friend Sub FinalizeCitation()


    Call MarkRecognizedWords
    If Not (mbcCourt Is Nothing) Then Call AssociateReportersWithCourt

End Sub

Private Sub AssociateReportersWithCourt()

    Dim bcReporterClause As cClauseReporter
    Dim bcReporter As cReporter
    Dim bcMatchingReporter As cReporter


    For Each bcReporterClause In mcolReporterClauses

        '-- If this particular reporter is not used by this court group, but there is a reporter with the same abbreviation
        '   used by this court group, then set the reporter clause's associated reporter to the correct reporter.

        Set bcReporter = bcReporterClause.Reporter
        If Not (bcReporter.Parent Is mbcCourt.Parent) Then
```

```
            If ActiveDoc.Words.WordsTrim(bcReporterClause.AbrvStart, bcReporterClause.AbrvEnd) = bcReporter.AbrvNameTrim Then
                Set bcMatchingReporter = Court.Reporters.Item(bcReporterClause.AbrvText, True, False)
                If bcMatchingReporter Is Nothing Then Set bcMatchingReporter = mbcCourt.Parent.AllReporters(bcReporterClause.AbrvText, True
, False)
            Else
                Set bcMatchingReporter = Court.Reporters.Item(bcReporterClause.AbrvText, True, True)
                If bcMatchingReporter Is Nothing Then Set bcMatchingReporter = Court.Parent.AllReporters.Item(bcReporterClause.AbrvText, Tr
ue, True)
            End If

            If Not (bcMatchingReporter Is Nothing) Then Set bcReporterClause.Reporter = bcMatchingReporter

        End If
    Next bcReporterClause

End Sub

'Private Sub AssociateEditorReporters()
'
'    Dim bcReporterClause As cClauseReporter
'    Dim bcNextReporterClause As cClauseReporter
'    Dim bcEditorMainReporter As cReporter
'    Dim bcMainReporterClause As cClauseReporter
'    Dim i As Long
'
'
'    '-- If an editor clause wasn't attached above, then search for any associated main reporter clause.
'
'    For Each bcReporterClause In mcolReporterClauses
'
'        If bcReporterClause.EditorClause Is Nothing Then
'            If bcReporterClause.Reporter.IsEditorReporter Then
'
'                Set bcEditorMainReporter = bcReporterClause.Reporter.MainReporter
'                For Each bcMainReporterClause In mcolReporterClauses
'                    If bcMainReporterClause.Reporter Is bcEditorMainReporter Then
'                        Set bcMainReporterClause.EditorClause = bcReporterClause
'                        Exit For
'                    End If
'                Next bcMainReporterClause
'
'            End If
'        End If
'
'    Next bcReporterClause
'
'End Sub


Private Sub MarkRecognizedWords()

    Dim bcClause As IClause
    Dim i As Long


    ReDim mbolWordUsed(mlngCitationStart - 5 To mlngCitationEnd + 5)
    For Each bcClause In mcolAllClauses
        For i = bcClause.ClauseStart To bcClause.ClauseEnd
            mbolWordUsed(i) = True
        Next i
    Next bcClause

End Sub

Friend Sub PrintClauses(Number As Long, PrintType As Boolean, PrintScore As Boolean)

    Dim bcClause As IClause
    Dim lngAddFrom As Long
    Dim strCitation As String
    Dim strInfo As String
    Dim strMisc As String


    If PrintType = True Or PrintScore = True Then
        lngAddFrom = mlngCitationStart
        For Each bcClause In mcolAllClauses
            strInfo = " ["
            If PrintType = True Then strInfo = strInfo & Right$(TypeName(bcClause), Len(TypeName(bcClause)) - 7)
            If PrintScore = True Then
                If PrintType = True Then strInfo = strInfo & ": "
                strInfo = strInfo & Format(bcClause.Score, "0.00")
            End If
            strInfo = strInfo & "] "
            strCitation = strCitation & ActiveDoc.Words(lngAddFrom, bcClause.ClauseEnd) & strInfo
            lngAddFrom = bcClause.ClauseEnd + 1
        Next bcClause
        strCitation = strCitation & ActiveDoc.Words(lngAddFrom, mlngCitationEnd)
    Else
        strCitation = ActiveDoc.Words(mlngCitationStart, mlngCitationEnd)
    End If

    If Number > 0 Then
        Debug.Print "#" & Number & ": " & strCitation
    Else
        Debug.Print strCitation
    End If

    If mbcJurisdiction Is Nothing Then
        strMisc = "Jurisdiction: none;  "
    Else
```

```
        strMisc = "Jurisdiction: " & mbcJurisdiction.FullName & ";  "
    End If

    If mbcCourt Is Nothing Then
        strMisc = strMisc & "Court: none;  "
    Else
        strMisc = strMisc & "Court: " & mbcCourt.FullName & ";  "
    End If

    strMisc = strMisc & "Score: " & mlngScore
    Debug.Print strMisc
    Debug.Print

End Sub
```

```
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Option Explicit

Private mlngNodesCount As Long
Private mbcBestCitation As cCitation
Private mbolPrintClauses As Boolean
Private mlngCitationsBuiltSingle As Long
Private mlngCitationsBuiltTotal As Long
Private mbcClauseLocator As cClauseLocator

Private Const MINIMUM_VALID_CITATION As Long = 150
Private Const ACCEPTABLE_DIFFERENCE As Long = 500
Private Const MINIMUM_CONTINUE As Long = 100
Private Const MAXIMUM_DISTANCE As Long = 30
Private Const PERFECT_SCORE As Long = 550

Public Function NextCitationFromWord(Word As Long) As cCitation

    Dim colClauses As Collection
    Dim bcClause As IClause
    Dim i As Long
    Dim j As Long


    mbolPrintClauses = True

    Set mbcBestCitation = Nothing
    mlngCitationsBuiltSingle = 0
    mlngNodesCount = 0

    For i = Word To ActiveDoc.Words.Count
        For Each bcClause In mbcClauseLocator.ClausesStartingAtWord(i)
            Set colClauses = New Collection
            colClauses.Add bcClause
            Call TraverseTree(colClauses, 0)
        Next bcClause
        If Not (mbcBestCitation Is Nothing) Then Exit For
    Next i

    If Not (mbcBestCitation Is Nothing) Then

        If mbcBestCitation.Score < PERFECT_SCORE Then

            For j = mbcBestCitation.CitationStart + 1 To mbcBestCitation.CitationEnd
                For Each bcClause In mbcClauseLocator.ClausesStartingAtWord(j)
                    Set colClauses = New Collection
                    colClauses.Add bcClause
                    Call TraverseTree(colClauses, 0)
                Next bcClause
            Next j

        End If

        Set NextCitationFromWord = mbcBestCitation
        Call mbcBestCitation.PrintClauses(0, True, True)

        Call mbcBestCitation.FinalizeCitation

    End If

End Function

Private Sub TraverseTree(ParentClauses As Collection, ParentScore As Long)

    Dim bcCitation As cCitation
    Dim bcLastClause As IClause
    Dim bcClause As IClause
    Dim colClauses As Collection


    Set bcLastClause = ParentClauses(ParentClauses.Count)
    For Each bcClause In Children(bcLastClause.ClauseEnd)

        If Not (mbcBestCitation Is Nothing) Then If mbcBestCitation.Score = PERFECT_SCORE Then Exit Sub

        Set colClauses = CloneCollection(ParentClauses)
        colClauses.Add bcClause

        Set bcCitation = BuildCitation(colClauses)
        If mbolPrintClauses Then Call bcCitation.PrintClauses(mlngNodesCount, True, True)

        If bcCitation.Score > MINIMUM_CONTINUE And bcCitation.Score > (ParentScore - 100) Then

            If mbcBestCitation Is Nothing Then
                If bcCitation.Score > MINIMUM_VALID_CITATION Then Set mbcBestCitation = bcCitation
            ElseIf bcCitation.Score > mbcBestCitation.Score Then
                Set mbcBestCitation = bcCitation
            End If
            Call TraverseTree(colClauses, bcCitation.Score)

        End If

    Next bcClause

End Sub

Private Function BuildCitation(Clauses As Collection) As cCitation

    Dim colClauses As Collection
    Dim bcLastClause As IClause
```

```
    Dim lngNextClauseStart As Long


    mlngNodesCount = mlngNodesCount + 1
    mlngCitationsBuiltSingle = mlngCitationsBuiltSingle + 1
    mlngCitationsBuiltTotal = mlngCitationsBuiltTotal + 1

    '-- Create a citation with these clauses and evaluate the result.
    Set bcLastClause = Clauses(Clauses.Count)
    For lngNextClauseStart = bcLastClause.ClauseEnd + 1 To ActiveDoc.Words.Count
        If mbcClauseLocator.ClausesStartingAtWord(lngNextClauseStart).Count > 0 Then Exit For
    Next lngNextClauseStart

    Set BuildCitation = New cCitation
    Call BuildCitation.Initialize(Clauses, lngNextClauseStart - 1)

End Function

Private Function Children(AfterWord As Long) As Collection

    '-- Search from the end of the parent clause to the end of the search range. Return the collection of clauses at the
    '   next word that is the start of clauses.

    Dim i As Long
    Dim j As Long
    Dim bcClause As IClause
    Dim colClausesAtWord As Collection
    Dim lngShortestClauseEnd As Long
    Dim lngLastWord As Long


    lngLastWord = ActiveDoc.Words.Count
    If AfterWord + MAXIMUM_DISTANCE < lngLastWord Then lngLastWord = AfterWord + MAXIMUM_DISTANCE

    For i = AfterWord + 1 To lngLastWord
        Set colClausesAtWord = mbcClauseLocator.ClausesStartingAtWord(i)
        If colClausesAtWord.Count > 0 Then

            '-- Add the clauses at the current word to the children collection
            Set Children = CloneCollection(mbcClauseLocator.ClausesStartingAtWord(i))

            '-- Determine the end of the shortest clause.
            For Each bcClause In Children
                If lngShortestClauseEnd = 0 Then
                    lngShortestClauseEnd = bcClause.ClauseEnd
                ElseIf bcClause.ClauseEnd < lngShortestClauseEnd Then
                    lngShortestClauseEnd = bcClause.ClauseEnd
                End If
            Next bcClause

            '-- Add the clauses that start after the current word, but before the end of the shortest clause
            For j = i + 1 To lngShortestClauseEnd
                Set colClausesAtWord = mbcClauseLocator.ClausesStartingAtWord(j)
                For Each bcClause In colClausesAtWord
                    Children.Add bcClause
                Next bcClause
            Next j

            Exit Function
        End If
    Next i
    If Children Is Nothing Then Set Children = New Collection

End Function

Private Function CloneCollection(Source As Collection) As Collection

    Dim bcClause As IClause


    Set CloneCollection = New Collection
    For Each bcClause In Source
        CloneCollection.Add bcClause.Clone
    Next bcClause

End Function

Private Sub Class_Initialize()

    Set mbcClauseLocator = New cClauseLocator
    Call mbcClauseLocator.Initialize

End Sub
```

```
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Option Explicit
Implements IClause

Private mlngSignalStart As Long
Private mlngSignalEnd As Long
Private mlngClauseStart As Long
Private mlngClauseEnd As Long
Private mlngVersusPosition As Long
Private mudtPartyName() As udtPartyName
Private mlngPartiesCount As Long

Private mbcNextClause As IClause
Private mbcPriorClause As IClause

Public Type udtPartyName
    Start As Long
    End As Long
End Type


Public Property Let ClauseStart(Source As Long)
    mlngClauseStart = Source
    If mlngClauseStart > 0 And mlngClauseEnd > 0 Then Call Parse
End Property

Public Property Get ClauseStart() As Long
    ClauseStart = mlngClauseStart
End Property

Public Property Let ClauseEnd(Source As Long)
    mlngClauseEnd = Source
    If mlngClauseStart > 0 And mlngClauseEnd > 0 Then Call Parse
End Property

Public Property Get ClauseEnd() As Long
    ClauseEnd = mlngClauseEnd
End Property

Public Property Get SignalStart() As Long
    SignalStart = mlngSignalStart
End Property

Public Property Get SignalEnd() As Long
    SignalEnd = mlngSignalEnd
End Property

Public Property Get VersusPosition() As Long
    VersusPosition = mlngVersusPosition
End Property

Public Property Get Text() As String
    Text = ActiveDoc.Words(mlngClauseStart, mlngClauseEnd)
End Property

Public Property Get PartyName(PartyNumber As Long) As udtPartyName
    PartyName = mudtPartyName(PartyNumber)
End Property

Public Function PartyNameAtWord(WordNumber As Long) As udtPartyName
    If mlngVersusPosition = 0 Or WordNumber < mlngVersusPosition Then
        PartyNameAtWord = mudtPartyName(1)
    Else
        PartyNameAtWord = mudtPartyName(2)
    End If
End Function

Public Property Get PartiesCount() As Long
    PartiesCount = mlngPartiesCount
End Property


Private Property Get IClause_ClauseEnd() As Long
    IClause_ClauseEnd = mlngClauseEnd
End Property

Private Property Get IClause_ClauseStart() As Long
    IClause_ClauseStart = mlngClauseStart
End Property

Private Function IClause_Clone() As IClause

    Dim bcClone As cClauseCaseName

    Set bcClone = New cClauseCaseName
    With bcClone
        .ClauseStart = mlngClauseStart
        .ClauseEnd = mlngClauseEnd
    End With
    Set IClause_Clone = bcClone

End Function

Private Property Set IClause_NextClause(RHS As IClause)
    Set mbcNextClause = RHS
End Property

Private Property Get IClause_NextClause() As IClause
    Set IClause_NextClause = mbcNextClause
End Property
```

```
Private Property Set IClause_PriorClause(RHS As IClause)
    Set mbcPriorClause = RHS
End Property

Private Property Get IClause_PriorClause() As IClause
    Set IClause_PriorClause = mbcPriorClause
End Property

Private Property Get IClause_Text() As String
    IClause_Text = Text()
End Property

Private Function IClause_Score() As Single

    Dim sngScoreContext As Single
    Dim strNextWord As String

    '-- The total score is based solely on the context score.

    '-- Award up to 0.5 points for the expected preceeding clause and text.
    If mbcPriorClause Is Nothing Then
        sngScoreContext = 0.5
    ElseIf ActiveDoc.Words(mudtPartyName(1).Start - 1) = "," Then
        sngScoreContext = 0.25
    End If

    '-- Award up to 0.5 points for the expected subsequent clause and text.
    If Not (mbcNextClause Is Nothing) Then If TypeOf mbcNextClause Is cClauseReporter Then sngScoreContext = sngScoreContext + 0.25
    strNextWord = ActiveDoc.Words(mlngClauseEnd + 1)
    Select Case strNextWord
        Case ","
            sngScoreContext = sngScoreContext + 0.25
        Case "("
            sngScoreContext = sngScoreContext + 0.125
    End Select

    IClause_Score = sngScoreContext

End Function

Friend Function Score() As Single
    Score = IClause_Score()
End Function

Private Sub Parse()

    Dim i As Long
    Dim lngSearchTo As Long
    Dim strPhraseTrim As String
    Dim strWordTrim As String
    Dim lngFirstPartyNameStart As Long

    If mlngClauseStart + 5 > mlngClauseEnd Then
        lngSearchTo = mlngClauseEnd
    Else
        lngSearchTo = mlngClauseStart + 10
    End If

    For i = lngSearchTo To mlngClauseStart Step -1

        '-- Query: Will WordsTrim return a word when the trailing word(s) is a punctuation mark? Check.

        strPhraseTrim = ActiveDoc.Words.WordsTrim(mlngClauseStart, i)

        If strPhraseTrim = "accord" _
        Or strPhraseTrim = "accordeg" _
        Or strPhraseTrim = "see" _
        Or strPhraseTrim = "seeeg" _
        Or strPhraseTrim = "seealso" _
        Or strPhraseTrim = "seealsoeg" _
        Or strPhraseTrim = "cf" _
        Or strPhraseTrim = "cfeg" _
        Or strPhraseTrim = "compare" _
        Or strPhraseTrim = "compareeg" _
        Or strPhraseTrim = "butsee" _
        Or strPhraseTrim = "butseeeg" _
        Or strPhraseTrim = "butcf" _
        Or strPhraseTrim = "butcfeg" _
        Or strPhraseTrim = "seegenerally" _
        Or strPhraseTrim = "seegenerallyeg" _
        Or strPhraseTrim = "contra" _
        Or strPhraseTrim = "contraeg" Then

            mlngSignalStart = mlngClauseStart
            If ActiveDoc.Words(i + 1) = "." Then
                mlngSignalEnd = i + 1
            Else
                mlngSignalEnd = i
            End If
            Exit For

        End If
    Next i

    '-- Look for the first designation of "versus."
    For i = mlngClauseStart To mlngClauseEnd
        strWordTrim = ActiveDoc.Words.WordsTrim(i)
        If strWordTrim = "v" Or strWordTrim = "vs" Or strWordTrim = "versus" Then
```

```
            '-- If one is found, then mark it, and use it as the dividing point to mark the start and end of the
            '   two parties' names.
            mlngVersusPosition = i
            mlngPartiesCount = 2
            ReDim mudtPartyName(1 To 2)
            With mudtPartyName(1)
                If mlngSignalEnd > 0 Then
                    .Start = ActiveDoc.Words.NextFullWord(mlngSignalEnd)
                Else
                    .Start = mlngClauseStart
                End If
                .End = i - 1
            End With
            With mudtPartyName(2)
                .Start = ActiveDoc.Words.NextFullWord(i)
                .End = mlngClauseEnd
            End With
            Exit For

        End If
    Next i

    '-- If a versus wasn't found, then assume that there's only one party.
    If mlngVersusPosition = 0 Then
        mlngPartiesCount = 1
        ReDim mudtPartyName(1 To 1) As udtPartyName
        With mudtPartyName(1)
            If mlngSignalEnd > 0 Then
                .Start = ActiveDoc.Words.NextFullWord(mlngSignalEnd)
            Else
                .Start = mlngClauseStart
            End If
            .End = mlngClauseEnd
        End With
    End If

End Sub


'Private Sub Class_Initialize()
'
'    ClausesCount = ClausesCount + 1
'    Debug.Print "Creating clause. Total: " & ClausesCount
'
'End Sub
'
'Private Sub Class_Terminate()
'
'    ClausesCount = ClausesCount - 1
'    Debug.Print "Terminating clause. Total: " & ClausesCount
'
'End Sub
```

```
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Option Explicit
Implements IClause

Public Court As cCourt

Private mlngCourtStart As Long
Private mlngCourtEnd As Long
Private mbcNextClause As IClause
Private mbcPriorClause As IClause
Private mbolExactMatch As Boolean

Friend Property Let ExactMatch(Source As Boolean)
    mbolExactMatch = Source
End Property

Public Property Get CourtStart() As Long
    CourtStart = mlngCourtStart
End Property

Friend Property Let CourtStart(Source As Long)
    mlngCourtStart = Source
End Property

Public Property Get CourtEnd() As Long
    CourtEnd = mlngCourtEnd
End Property

Friend Property Let CourtEnd(Source As Long)
    mlngCourtEnd = Source
End Property

Public Property Get Text() As String
    Text = ActiveDoc.Words(mlngCourtStart, mlngCourtEnd)
End Property

Public Property Get PriorClause() As IClause
    Set PriorClause = mbcPriorClause
End Property

Public Property Get NextClause() As IClause
    Set NextClause = mbcNextClause
End Property

Private Property Get IClause_ClauseEnd() As Long
    IClause_ClauseEnd = mlngCourtEnd
End Property

Private Property Get IClause_ClauseStart() As Long
    IClause_ClauseStart = mlngCourtStart
End Property

Private Function IClause_Clone() As IClause

    Dim bcClone As cClauseCourt

    Set bcClone = New cClauseCourt
    With bcClone
        .CourtStart = mlngCourtStart
        .CourtEnd = mlngCourtEnd
        Set .Court = Court
        .ExactMatch = mbolExactMatch
    End With
    Set IClause_Clone = bcClone

End Function

Private Property Set IClause_NextClause(RHS As IClause)
    Set mbcNextClause = RHS
End Property

Private Property Get IClause_NextClause() As IClause
    Set IClause_NextClause = mbcNextClause
End Property

Private Property Set IClause_PriorClause(RHS As IClause)
    Set mbcPriorClause = RHS
End Property

Private Property Get IClause_PriorClause() As IClause
    Set IClause_PriorClause = mbcPriorClause
End Property

Private Property Get IClause_Text() As String
    IClause_Text = Text
End Property

Private Function IClause_Score() As Single

    Dim sngScoreContext As Single
    Dim sngScoreInternal As Single
    Dim strPriorWord As String

    '-- Award up to 1 point for the internal score if the court is spelled correctly.
    If mbolExactMatch Then
        sngScoreInternal = 0.75
        If ActiveDoc.Words(mlngCourtStart, mlngCourtEnd) = Court.AbrvName Then sngScoreInternal = sngScoreInternal + 0.25
    End If
```

```
    '-- Award up to .5 points for the context score for the expected preceeding clause and text.
    If Not (mbcPriorClause Is Nothing) Then
        If Not (mlngCourtStart - 1 = mbcPriorClause.ClauseEnd) Then strPriorWord = ActiveDoc.Words(mlngCourtStart - 1)
        If TypeOf mbcPriorClause Is cClauseJurisdiction Then
            sngScoreContext = sngScoreContext + 0.25
            Select Case strPriorWord
                Case ""
                    sngScoreContext = sngScoreContext + 0.25
                Case ","
                    sngScoreContext = sngScoreContext + 0.125
            End Select
        Else
            If TypeOf mbcPriorClause Is cClauseReporter Then sngScoreContext = sngScoreContext + 0.25
            Select Case strPriorWord
                Case "("
                    sngScoreContext = sngScoreContext + 0.25
                Case ",", ""
                    sngScoreContext = sngScoreContext + 0.125
            End Select
        End If
    End If

    '-- Award up to .5 points for the context score for the expected subsequent clause and text.
    If Not (mbcNextClause Is Nothing) Then
        If TypeOf mbcNextClause Is cClauseDate Then
            sngScoreContext = sngScoreContext + 0.25
            If mlngCourtEnd + 1 = mbcNextClause.ClauseStart Then sngScoreContext = sngScoreContext + 0.25
        Else
            If ActiveDoc.Words(mlngCourtEnd + 1) = ")" Then sngScoreContext = sngScoreContext + 0.25
        End If
    Else
        If ActiveDoc.Words(mlngCourtEnd + 1) = ")" Then sngScoreContext = sngScoreContext + 0.25
    End If

    '-- Average the internal and context scores, with 40% weight for the internal score and 60% weight for the context score.
    IClause_Score = 0.4 * sngScoreInternal + 0.6 * sngScoreContext

End Function

Friend Function Score() As Single
    Score = IClause_Score()
End Function

'Private Sub Class_Initialize()
'
'    ClausesCount = ClausesCount + 1
'    Debug.Print "Creating clause. Total: " & ClausesCount
'
'End Sub
'
'Private Sub Class_Terminate()
'
'    ClausesCount = ClausesCount - 1
'    Debug.Print "Terminating clause. Total: " & ClausesCount
'
'End Sub
```

```
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Option Explicit
Implements IClause

Public FullDate As Date

Private mlngDateStart As Long
Private mlngDateEnd As Long
Private mbcNextClause As IClause
Private mbcPriorClause As IClause
Private mlngYear As Long

Public Property Get DateStart() As Long
    DateStart = mlngDateStart
End Property

Friend Property Let DateStart(Source As Long)
    mlngDateStart = Source
End Property

Public Property Get DateEnd() As Long
    DateEnd = mlngDateEnd
End Property

Friend Property Let DateEnd(Source As Long)
    mlngDateEnd = Source
End Property

Public Property Get Text() As String
    Text = ActiveDoc.Words(mlngDateStart, mlngDateEnd)
End Property

Public Property Get PriorClause() As IClause
    Set PriorClause = mbcPriorClause
End Property

Public Property Get NextClause() As IClause
    Set NextClause = mbcNextClause
End Property

Public Property Get Year() As Long
    Year = mlngYear
End Property

Friend Property Let Year(Source As Long)
    mlngYear = Source
End Property

Private Property Get IClause_ClauseEnd() As Long
    IClause_ClauseEnd = mlngDateEnd
End Property

Private Property Get IClause_ClauseStart() As Long
    IClause_ClauseStart = mlngDateStart
End Property

Private Function IClause_Clone() As IClause

    Dim bcClone As cClauseDate

    Set bcClone = New cClauseDate
    With bcClone
        .DateStart = mlngDateStart
        .DateEnd = mlngDateEnd
        .FullDate = FullDate
        .Year = mlngYear
    End With
    Set IClause_Clone = bcClone

End Function

Private Property Set IClause_NextClause(RHS As IClause)
    Set mbcNextClause = RHS
End Property

Private Property Get IClause_NextClause() As IClause
    Set IClause_NextClause = mbcNextClause
End Property

Private Property Set IClause_PriorClause(RHS As IClause)
    Set mbcPriorClause = RHS
End Property

Private Property Get IClause_PriorClause() As IClause
    Set IClause_PriorClause = mbcPriorClause
End Property

Private Property Get IClause_Text() As String
    IClause_Text = Text
End Property

Private Function IClause_Score() As Single

    Dim sngScoreContext As Single
    Dim sngScoreInternal As Single
    Dim strClauseText As String
    Dim strNextWord As String
    Dim lngYear As Long
```

```
    '-- Award up to 1 point for the internal score if the court is spelled correctly.
    strClauseText = Text()
    If mlngDateStart = mlngDateEnd Then
        '-- If the date clause is only one word long, then it is either a year or a placeholder.  Award points if it is a valid
        '   year or a valid (4-6 length) placeholder.
        If IsNumeric(strClauseText) Then
            lngYear = Val(strClauseText)
            If lngYear > 1600 And lngYear < 2010 Then sngScoreInternal = 1
        Else
            If Len(strClauseText) > 4 And Len(strClauseText) < 7 Then
                sngScoreInternal = 1
            Else
                sngScoreInternal = 0.5
            End If
        End If
    Else
        '-- If the date clause is more than one word long, it contains a month and date. Award points if it has a year within
        '   a valid range.
        lngYear = Val(Format$(strClauseText, "yyyy"))
        If lngYear > 1600 And lngYear < 2010 Then
            sngScoreInternal = 1
        Else
            sngScoreInternal = 0.5
        End If
    End If

    '-- Award up to .5 points for the context score for the expected preceeding clause and text.
    If Not (mbcPriorClause Is Nothing) Then
        If TypeOf mbcPriorClause Is cClauseCourt Or TypeOf mbcPriorClause Is cClauseJurisdiction Then
            sngScoreContext = sngScoreContext + 0.25
            If mbcPriorClause.ClauseEnd + 1 = mlngDateStart Then sngScoreContext = sngScoreContext + 0.25
        ElseIf TypeOf mbcPriorClause Is cClauseReporter Then
            sngScoreContext = sngScoreContext + 0.25
            If ActiveDoc.Words(mlngDateStart - 1) = "(" Then sngScoreContext = sngScoreContext + 0.25
        End If
    End If

    '-- Award up to .5 points for the context score for the expected subsequent clause and text.
    strNextWord = ActiveDoc.Words(mlngDateEnd + 1)
    If mbcNextClause Is Nothing Then
        If strNextWord = ")" Then
            sngScoreContext = sngScoreContext + 0.5
        ElseIf strNextWord = "," Or strNextWord = ";" Then
            sngScoreContext = sngScoreContext + 0.25
        End If
    Else
        If strNextWord = ")" Then
            sngScoreContext = sngScoreContext + 0.25
        ElseIf strNextWord = "," Or strNextWord = ";" Then
            sngScoreContext = sngScoreContext + 0.125
        End If
    End If

    '-- Average the internal and context scores, with 40% weight for the internal score and 60% weight for the context score.
    IClause_Score = 0.4 * sngScoreInternal + 0.6 * sngScoreContext

End Function

Friend Function Score() As Single
    Score = IClause_Score()
End Function
'
'Private Sub Class_Initialize()
'
'    ClausesCount = ClausesCount + 1
'    Debug.Print "Creating clause. Total: " & ClausesCount
'
'End Sub
'
'Private Sub Class_Terminate()
'
'    ClausesCount = ClausesCount - 1
'    Debug.Print "Terminating clause. Total: " & ClausesCount
'
'End Sub
```

```
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Option Explicit
Implements IClause

Public Jurisdiction As cJurisdiction

Private mlngJurStart As Long
Private mlngJurEnd As Long
Private mbcNextClause As IClause
Private mbcPriorClause As IClause
Private mbolExactMatch As Boolean

Friend Property Let ExactMatch(Source As Boolean)
    mbolExactMatch = Source
End Property

Public Property Get JurStart() As Long
    JurStart = mlngJurStart
End Property

Friend Property Let JurStart(Source As Long)
    mlngJurStart = Source
End Property

Public Property Get JurEnd() As Long
    JurEnd = mlngJurEnd
End Property

Friend Property Let JurEnd(Source As Long)
    mlngJurEnd = Source
End Property

Public Property Get Text() As String
    Text = ActiveDoc.Words(mlngJurStart, mlngJurEnd)
End Property

Public Property Get PriorClause() As IClause
    Set PriorClause = mbcPriorClause
End Property

Public Property Get NextClause() As IClause
    Set NextClause = mbcNextClause
End Property

Private Property Get IClause_ClauseEnd() As Long
    IClause_ClauseEnd = mlngJurEnd
End Property

Private Property Get IClause_ClauseStart() As Long
    IClause_ClauseStart = mlngJurStart
End Property

Private Function IClause_Clone() As IClause

    Dim bcClone As cClauseJurisdiction

    Set bcClone = New cClauseJurisdiction
    With bcClone
        .JurStart = mlngJurStart
        .JurEnd = mlngJurEnd
        Set .Jurisdiction = Jurisdiction
        .ExactMatch = mbolExactMatch
    End With
    Set IClause_Clone = bcClone

End Function

Private Property Set IClause_NextClause(RHS As IClause)
    Set mbcNextClause = RHS
End Property

Private Property Get IClause_NextClause() As IClause
    Set IClause_NextClause = mbcNextClause
End Property

Private Property Set IClause_PriorClause(RHS As IClause)
    Set mbcPriorClause = RHS
End Property

Private Property Get IClause_PriorClause() As IClause
    Set IClause_PriorClause = mbcPriorClause
End Property

Private Property Get IClause_Text() As String
    IClause_Text = Text
End Property

Private Function IClause_Score() As Single

    Dim sngScoreInternal As Single
    Dim sngScoreContext As Single
    Dim strNextWord As String
    Dim strPriorWord As String

    '-- Award up to 1 point for the internal score if the jurisdiction is spelled correctly.
    If mbolExactMatch = True Then
        sngScoreInternal = 0.75
        If ActiveDoc.Words(mlngJurStart, mlngJurEnd) = Jurisdiction.AbrvName Then sngScoreInternal = sngScoreInternal + 0.25
    End If
```

```
    '-- Award up to .5 points for the context score for the expected preceeding clause and text.
    If Not (mbcPriorClause Is Nothing) Then
        If Not (mlngJurStart - 1 = mbcPriorClause.ClauseEnd) Then strPriorWord = ActiveDoc.Words(mlngJurStart - 1)
        If TypeOf mbcPriorClause Is cClauseReporter Then sngScoreContext = sngScoreContext + 0.25
        Select Case strPriorWord
            Case "("
                sngScoreContext = sngScoreContext + 0.25
            Case ","
                sngScoreContext = sngScoreContext + 0.125
        End Select
    End If

    '-- Award up to .5 points for the context score for the expected subsequent clause and text.
    If Not (mbcNextClause Is Nothing) Then
        If Not (mlngJurEnd + 1 = mbcNextClause.ClauseStart) Then strNextWord = ActiveDoc.Words(mlngJurEnd + 1)
        If TypeOf mbcNextClause Is cClauseCourt Or TypeOf mbcNextClause Is cClauseDate Then
            sngScoreContext = sngScoreContext + 0.25
            Select Case strNextWord
                Case ""
                    sngScoreContext = sngScoreContext + 0.25
                Case ","
                    sngScoreContext = sngScoreContext + 0.125
            End Select
        Else
            Select Case strNextWord
                Case ")"
                    sngScoreContext = sngScoreContext + 0.25
                Case "", ","
                    sngScoreContext = sngScoreContext + 0.125
            End Select
        End If
    Else
        If ActiveDoc.Words(mlngJurEnd + 1) = ")" Then sngScoreContext = sngScoreContext + 0.25
    End If

    '-- Average the internal and context scores, with 40% weight for the internal score and 60% weight for the context score.
    IClause_Score = 0.4 * sngScoreInternal + 0.6 * sngScoreContext

End Function

Friend Function Score() As Single
    Score = IClause_Score()
End Function

'Private Sub Class_Initialize()
'
'    ClausesCount = ClausesCount + 1
'    Debug.Print "Creating clause. Total: " & ClausesCount
'
'End Sub
'
'Private Sub Class_Terminate()
'
'    ClausesCount = ClausesCount - 1
'    Debug.Print "Terminating clause. Total: " & ClausesCount
'
'End Sub
```

```
'-- Copyright 2001 by Robert L. Jacobson.

Option Explicit

Private mcolClausesAtWord() As Collection
Private mbolPerfectReporter() As Boolean
Private mbolPerfectJurisdiction() As Boolean
Private mbolPerfectCourt() As Boolean

Private Const MAXIMUMCLAUSELENGTH As Long = 12

Public Sub Initialize()

    ReDim mcolClausesAtWord(1 To ActiveDoc.Words.Count)
    ReDim mbolPerfectReporter(1 To ActiveDoc.Words.Count)
    ReDim mbolPerfectJurisdiction(1 To ActiveDoc.Words.Count)
    ReDim mbolPerfectCourt(1 To ActiveDoc.Words.Count)

End Sub

Public Function ClausesStartingAtWord(WordNumber As Long) As Collection

    Dim lngCheckTo As Long
    Dim lngLastWord As Long
    Dim strPhraseTrim As String
    Dim bcNewClause As IClause


    If mcolClausesAtWord(WordNumber) Is Nothing Then

        Set mcolClausesAtWord(WordNumber) = New Collection

        If Not (ActiveDoc.Words.Underline(WordNumber) = False) Then
            Set bcNewClause = MatchingCaseNameClause(WordNumber)
            If Not (bcNewClause Is Nothing) Then
                mcolClausesAtWord(WordNumber).Add bcNewClause
            End If
        ElseIf Not (ActiveDoc.Words.WordsTrim(WordNumber) = "") Then

            '-- Determine the maximum number of words to check in the phrase.
            lngCheckTo = WordNumber + MAXIMUMCLAUSELENGTH - 1
            If lngCheckTo > ActiveDoc.Words.Count Then lngCheckTo = ActiveDoc.Words.Count

            '-- Iterate from the longest phrase to the shortest phrase.
            For lngLastWord = lngCheckTo To WordNumber Step -1
                If Not (ActiveDoc.Words.WordsTrim(lngLastWord) = "") Then
                    strPhraseTrim = ActiveDoc.Words.WordsTrim(WordNumber, lngLastWord)

                    '-- Locate and add the matching reporter clauses, matching jurisdiction clauses and matching court clauses
                    '   only if the first and last words are not numbers.
                    If Not ActiveDoc.Words.IsNumber(WordNumber, False) _
                    And Not ActiveDoc.Words.IsNumber(lngLastWord, False) Then

                        Set bcNewClause = MatchingReporterClause(WordNumber, lngLastWord, strPhraseTrim)
                        If Not (bcNewClause Is Nothing) Then mcolClausesAtWord(WordNumber).Add bcNewClause

                        Set bcNewClause = MatchingJurisdictionClause(WordNumber, lngLastWord, strPhraseTrim)
                        If Not (bcNewClause Is Nothing) Then mcolClausesAtWord(WordNumber).Add bcNewClause

                        Set bcNewClause = MatchingCourtClause(WordNumber, lngLastWord, strPhraseTrim)
                        If Not (bcNewClause Is Nothing) Then mcolClausesAtWord(WordNumber).Add bcNewClause

                    End If

                    '-- Add the matching date clause.
                    Set bcNewClause = MatchingDateClause(WordNumber, lngLastWord, ActiveDoc.Words(WordNumber, lngLastWord))
                    If Not (bcNewClause Is Nothing) Then mcolClausesAtWord(WordNumber).Add bcNewClause

                End If

            Next lngLastWord

        Else

            '-- Add a matching date clause placeholder.
            Set bcNewClause = MatchingDateClausePlaceholder(WordNumber)
            If Not (bcNewClause Is Nothing) Then mcolClausesAtWord(WordNumber).Add bcNewClause

        End If

    End If

    Set ClausesStartingAtWord = mcolClausesAtWord(WordNumber)

End Function

Private Function MatchingCaseNameClause(FirstWord As Long) As cClauseCaseName

    Dim i As Long

    If ActiveDoc.Words(FirstWord, FirstWord + 2) = CASENAME_PLACEHOLDER Then
        Set MatchingCaseNameClause = New cClauseCaseName
        MatchingCaseNameClause.ClauseStart = FirstWord
        MatchingCaseNameClause.ClauseEnd = FirstWord + 2
    ElseIf ActiveDoc.Words.Underline(FirstWord - 1) = False Then
        Set MatchingCaseNameClause = New cClauseCaseName
        MatchingCaseNameClause.ClauseStart = FirstWord
        For i = FirstWord To ActiveDoc.Words.Count - 1
            If ActiveDoc.Words.Underline(i + 1) = False Then
                MatchingCaseNameClause.ClauseEnd = i
                Exit For
```

```
            End If
        Next i
    End If

End Function

Private Function MatchingReporterClause(FirstWord As Long, LastWord As Long, PhraseTrim As String) As cClauseReporter

    Dim bcReporter As cReporter
    Dim bcClause As IClause
    Dim bcExistingReporterClause As cClauseReporter
    Dim bolExactMatch


'    '-- Abort if a correctly-spelled reporter has already been found that overlaps this phrase.
    If ExactMatchFound(mbolPerfectReporter(), FirstWord, LastWord) Then Exit Function

    '-- Abort if the phrase is "id", since the phrase is mistaken for "Ind."
    If PhraseTrim = "id" Then Exit Function

    '-- Is there a reporter that matches this phrase?
    Set bcReporter = Jurisdictions.AllReporters.Item(PhraseTrim, True, False, True)
    If Not (bcReporter Is Nothing) Then
        ExactMatchFound(mbolPerfectReporter(), FirstWord, LastWord) = True
        bolExactMatch = True
    Else
        Set bcReporter = Jurisdictions.AllReporters.Item(PhraseTrim, False, True, True)
    End If


    If Not (bcReporter Is Nothing) Then

        '-- Abort if there's an existing reporter clause starting at the same word with the same associated reporter.
        For Each bcClause In mcolClausesAtWord(FirstWord)
            If TypeOf bcClause Is cClauseReporter Then
                Set bcExistingReporterClause = bcClause
                If bcExistingReporterClause.Reporter Is bcReporter Then
                    If bcExistingReporterClause.ClauseEnd = LastWord + 1 Then
                        Exit Function
                    End If
                End If
            End If
        Next bcClause

        '-- Build a new reporter clause.
        Set MatchingReporterClause = New cClauseReporter
        With MatchingReporterClause
            Set .Reporter = bcReporter
            .AbrvStart = FirstWord
            .AbrvEnd = LastWord
            If ActiveDoc.Words(LastWord + 1) = "." Then .AbrvEnd = LastWord + 1
            .ExactMatch = bolExactMatch
        End With

    End If

End Function

Private Function MatchingJurisdictionClause(FirstWord As Long, LastWord As Long, PhraseTrim As String) As cClauseJurisdiction

    Dim bcJurisdiction As cJurisdiction
    Dim bcClause As IClause
    Dim bcExistingJurisdictionClause As cClauseJurisdiction
    Dim bolExactMatch As Boolean


    '-- Abort if a correctly-spelled jurisdiction has already been found that overlaps this phrase.
    If ExactMatchFound(mbolPerfectJurisdiction(), FirstWord, LastWord) Then Exit Function

    '-- Abort if the phrase is "id", since the phrase is mistaken for "Ind."
    If PhraseTrim = "id" Then Exit Function

    '-- Is there a jurisdiction that matches this phrase?
    Set bcJurisdiction = Jurisdictions.Item(PhraseTrim, True, False, True)
    If Not (bcJurisdiction Is Nothing) Then
        ExactMatchFound(mbolPerfectJurisdiction(), FirstWord, LastWord) = True
        bolExactMatch = True
    Else
        Set bcJurisdiction = Jurisdictions.Item(PhraseTrim, False, True, True)
    End If

    If Not (bcJurisdiction Is Nothing) Then

        '-- Abort if there's an existing jurisdiction clause starting at the same word with the same associated reporter.
        For Each bcClause In mcolClausesAtWord(FirstWord)
            If TypeOf bcClause Is cClauseJurisdiction Then
                Set bcExistingJurisdictionClause = bcClause
                If bcExistingJurisdictionClause.Jurisdiction Is bcJurisdiction Then Exit Function
            End If
        Next bcClause

        '-- Build a new reporter clause.
        Set MatchingJurisdictionClause = New cClauseJurisdiction
        With MatchingJurisdictionClause
            Set .Jurisdiction = bcJurisdiction
            .JurStart = FirstWord
            .JurEnd = LastWord
            If ActiveDoc.Words(LastWord + 1) = "." Then .JurEnd = LastWord + 1
            .ExactMatch = bolExactMatch
        End With
```

```
    End If

End Function

Private Function MatchingCourtClause(FirstWord As Long, LastWord As Long, PhraseTrim As String) As cClauseCourt

    Dim bcCourt As cCourt
    Dim bcClause As IClause
    Dim bcExistingCourtClause As cClauseCourt
    Dim bolExactMatch As Boolean


    '-- Abort if a correctly-spelled jurisdiction has already been found that overlaps this phrase.
    If ExactMatchFound(mbolPerfectCourt(), FirstWord, LastWord) Then Exit Function

    '-- Is there a court that matches this phrase?
    Set bcCourt = Jurisdictions.AllCourts.Item(PhraseTrim, True, False, True)
    If Not (bcCourt Is Nothing) Then
        ExactMatchFound(mbolPerfectCourt(), FirstWord, LastWord) = True
        bolExactMatch = True
    Else
        Set bcCourt = Jurisdictions.AllCourts.Item(PhraseTrim, False, True, True)
    End If

    If Not (bcCourt Is Nothing) Then

        '-- Abort if there's an existing jurisdiction clause starting at the same word with the same associated reporter.
        For Each bcClause In mcolClausesAtWord(FirstWord)
            If TypeOf bcClause Is cClauseCourt Then
                Set bcExistingCourtClause = bcClause
                If bcExistingCourtClause.Court Is bcCourt Then Exit Function
            End If
        Next bcClause

        Set MatchingCourtClause = New cClauseCourt
        With MatchingCourtClause
            Set .Court = bcCourt
            .CourtStart = FirstWord
            .CourtEnd = LastWord
            If ActiveDoc.Words(LastWord + 1) = "." Then .CourtEnd = LastWord + 1
            .ExactMatch = bolExactMatch
        End With

    End If

End Function

Private Function MatchingDateClausePlaceholder(WordNumber As Long) As cClauseDate

    If ActiveDoc.Words(WordNumber) = "____" Then
        Set MatchingDateClausePlaceholder = New cClauseDate
        With MatchingDateClausePlaceholder
            .DateStart = WordNumber
            .DateEnd = WordNumber
        End With
    End If

End Function

Private Function MatchingDateClause(FirstWord As Long, LastWord As Long, ByVal Phrase As String) As cClauseDate

    Dim lngLastWordVal As Long


    '-- IsDate does not interpret a valid date that is missing a space after a period; e.g., "Jan.1, 1980".
    '   Force an extra space after each period to compensate.
    Phrase = Replace(Phrase, ".", ". ")

    lngLastWordVal = Val(ActiveDoc.Words(LastWord))
    If lngLastWordVal > 1600 And lngLastWordVal < 2010 Then
        If LastWord = FirstWord Then
            Set MatchingDateClause = New cClauseDate
            With MatchingDateClause
                .DateStart = FirstWord
                .DateEnd = LastWord
                .Year = lngLastWordVal
            End With
        ElseIf IsDate(Phrase) Then
            Set MatchingDateClause = New cClauseDate
            With MatchingDateClause
                .DateStart = FirstWord
                .DateEnd = LastWord
                .FullDate = CDate(Phrase)
                .Year = CLng(Format(Phrase, "yyyy"))
            End With
        End If
    End If

End Function

Private Property Get ExactMatchFound(PerfectClause() As Boolean, FirstWord As Long, LastWord As Long) As Boolean

    Dim i As Long


    ExactMatchFound = True
    For i = FirstWord To LastWord
        If PerfectClause(i) = False Then
            ExactMatchFound = False
            Exit Property
        End If
```

```
    Next i

End Property

Private Property Let ExactMatchFound(PerfectClause() As Boolean, FirstWord As Long, LastWord As Long, Source As Boolean)

    Dim i As Long


    For i = FirstWord To LastWord
        PerfectClause(i) = Source
    Next i

End Property
```

```
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Option Explicit
Implements IClause

Public IsParenthetical As Boolean

Private mlngFirstPageLocation As Long
Private mlngVolumeNumberLocation As Long
Private mlngPinStart As Long
Private mlngPinEnd As Long
Private mbcReporter As cReporter

Private mlngAbrvStart As Long
Private mlngAbrvEnd As Long
Private mbcNextClause As IClause
Private mbcPriorClause As IClause

Private mbcEditor As cEditor

Private mbolExactMatch As Boolean

Friend Property Let ExactMatch(Source As Boolean)
    mbolExactMatch = Source
End Property


Public Property Get FirstPageLocation() As Long
    FirstPageLocation = mlngFirstPageLocation
End Property

Friend Property Let FirstPageLocation(Source As Long)
    mlngFirstPageLocation = Source
End Property

Public Property Get VolumeNumberLocation() As Long
    VolumeNumberLocation = mlngVolumeNumberLocation
End Property

Friend Property Let VolumeNumberLocation(Source As Long)
    mlngVolumeNumberLocation = Source
End Property

Public Property Get PinStart() As Long
    PinStart = mlngPinStart
End Property

Friend Property Let PinStart(Source As Long)
    mlngPinStart = Source
End Property

Public Property Get PinEnd() As Long
    PinEnd = mlngPinEnd
End Property

Friend Property Let PinEnd(Source As Long)
    mlngPinEnd = Source
End Property

Public Property Get Reporter() As cReporter
    Set Reporter = mbcReporter
End Property

Friend Property Set Reporter(Source As cReporter)
    Set mbcReporter = Source
End Property

Public Property Get AbrvStart() As Long
    AbrvStart = mlngAbrvStart
End Property

Friend Property Let AbrvStart(Source As Long)
    mlngAbrvStart = Source
End Property

Public Property Get AbrvEnd() As Long
    AbrvEnd = mlngAbrvEnd
End Property

Friend Property Let AbrvEnd(Source As Long)
    mlngAbrvEnd = Source
End Property

Public Property Get EditorClause() As cEditor
    Set EditorClause = mbcEditor
End Property

Friend Property Set EditorClause(Source As cEditor)
    Set mbcEditor = Source
End Property

Public Property Get Text() As String
    Text = ActiveDoc.Words(ClauseStart, ClauseEnd)
End Property

Public Property Get PriorClause() As IClause
    Set PriorClause = mbcPriorClause
End Property

Public Property Get NextClause() As IClause
    Set NextClause = mbcNextClause
```

```
End Property


Public Function ClauseStart() As Long
    If VolumeNumberLocation > 0 Then
        ClauseStart = VolumeNumberLocation
    Else
        ClauseStart = AbrvStart
    End If
End Function

Public Function ClauseEnd() As Long
    If PinEnd > 0 Then
        ClauseEnd = PinEnd
    ElseIf FirstPageLocation > 0 Then
        ClauseEnd = FirstPageLocation
    ElseIf Not (mbcEditor Is Nothing) Then
        ClauseEnd = mbcEditor.ClauseEnd
    Else
        ClauseEnd = mlngAbrvEnd
    End If
End Function

Public Function AbrvText() As String
    AbrvText = ActiveDoc.Words(mlngAbrvStart, mlngAbrvEnd)
End Function

Public Function VolumeNumber() As Long
    If mlngVolumeNumberLocation > 0 Then VolumeNumber = Val(ActiveDoc.Words(mlngVolumeNumberLocation))
End Function

Public Function FirstPageNumber() As Long
    If mlngFirstPageLocation > 0 Then FirstPageNumber = Val(ActiveDoc.Words(mlngFirstPageLocation))
End Function



Private Property Get IClause_ClauseEnd() As Long
    IClause_ClauseEnd = ClauseEnd
End Property

Private Property Get IClause_ClauseStart() As Long
    IClause_ClauseStart = ClauseStart
End Property

Private Function IClause_Clone() As IClause

    Dim bcClone As cClauseReporter

    Set bcClone = New cClauseReporter
    With bcClone
        .AbrvStart = mlngAbrvStart
        .AbrvEnd = mlngAbrvEnd
        Set .Reporter = Reporter
        .ExactMatch = mbolExactMatch
    End With
    Set IClause_Clone = bcClone

End Function

Private Property Set IClause_NextClause(RHS As IClause)
    Set mbcNextClause = RHS
End Property

Private Property Get IClause_NextClause() As IClause
    Set IClause_NextClause = mbcNextClause
End Property

Private Property Set IClause_PriorClause(RHS As IClause)
    Set mbcPriorClause = RHS
End Property

Private Property Get IClause_PriorClause() As IClause
    Set IClause_PriorClause = mbcPriorClause
End Property

Private Property Get IClause_Text() As String
    IClause_Text = Text
End Property

Private Function IClause_Score() As Single

    Dim sngScoreContext As Single
    Dim sngScoreInternal As Single
    Dim strNextWord As String


    '-- Award up to .2 point for the internal score if the reporter is spelled correctly.
    If mbolExactMatch = True Then
        sngScoreInternal = 0.1
        If ActiveDoc.Words(Me.AbrvStart, Me.AbrvEnd) = Me.Reporter.AbrvName Then sngScoreInternal = sngScoreInternal + 0.1
    End If

    '-- Award .4 points for the internal score  if the reporter has a volume number.
    If ActiveDoc.Words.IsNumber(Me.AbrvStart - 1, True) Then sngScoreInternal = sngScoreInternal + 0.4

    '-- Award .4 points for the internal score if the reporter has a first page number or pinpoint page number.
    If FirstPageLocation > 0 Then
        sngScoreInternal = sngScoreInternal + 0.4
    ElseIf PinStart > 0 Then
        If ActiveDoc.Words.WordsTrim(PinStart) = "at" Then
```

```
            sngScoreInternal = sngScoreInternal + 0.4
        Else
            sngScoreInternal = sngScoreInternal + 0.2
        End If
    End If

    '-- Award up to .5 points for the context score for the expected preceeding clause and text.
    If Not (mbcPriorClause Is Nothing) Then
        If TypeOf mbcPriorClause Is cClauseReporter Or TypeOf mbcPriorClause Is cClauseCaseName Then sngScoreContext = sngScoreContext + 0.
25
    End If
    If ActiveDoc.Words(ClauseStart() - 1) = "," Then sngScoreContext = sngScoreContext + 0.25

    '-- Award up to .5 points for the context score for the expected subsequent clause and text.
    If Not (mbcNextClause Is Nothing) Then
        If TypeOf mbcNextClause Is cClauseReporter Or TypeOf mbcNextClause Is cClauseJurisdiction Or TypeOf mbcNextClause Is cClauseCourt O
r TypeOf mbcNextClause Is cClauseDate Then sngScoreContext = sngScoreContext + 0.25
    End If
    strNextWord = ActiveDoc.Words(ClauseEnd() + 1)
    If strNextWord = "," Or strNextWord = "(" Then sngScoreContext = sngScoreContext + 0.25

    '-- Average the internal and context scores, with 60% weight for the internal score and 40% weight for the context score.
    '   (Greater weight to the internal score than for other clauses because there is more data -- volume numbers and page
    '   numbers -- on which to base the internal score.)

    IClause_Score = 0.7 * sngScoreInternal + 0.3 * sngScoreContext

End Function

Friend Function Score() As Single
    Score = IClause_Score()
End Function

'Private Sub Class_Initialize()
'
'    ClausesCount = ClausesCount + 1
'    Debug.Print "Creating clause. Total: " & ClausesCount
'
'End Sub
'
'Private Sub Class_Terminate()
'
'    ClausesCount = ClausesCount - 1
'    Debug.Print "Terminating clause. Total: " & ClausesCount
'
'End Sub
```

```
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Option Explicit

Private mcolClauses As Collection
Private mbcLastClause As IClause

Private Sub Class_Initialize()
    Set mcolClauses = New Collection
End Sub

Public Sub Add(Clause As IClause, Optional Key As Variant)

    If Not (mbcLastClause Is Nothing) Then
        Set mbcLastClause.NextClause = Clause
        Set Clause.PriorClause = mbcLastClause
    End If
    mcolClauses.Add Clause, Key
    Set mbcLastClause = Clause

End Sub

Public Function Count() As Long
    Count = mcolClauses.Count
End Function

Public Function Item(Index As Variant) As IClause
    Set Item = mcolClauses.Item(Index)
End Function

Public Function NewEnum() As IUnknown
    Set NewEnum = mcolClauses.[_NewEnum]
End Function

Private Sub Class_Terminate()

    Dim bcClause As IClause

    For Each bcClause In mcolClauses
        Set bcClause.NextClause = Nothing
    Next bcClause

End Sub
```

```
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Option Explicit

Private mlngAbrvStart As Long
Private mlngAbrvEnd As Long
Private mbcReporter As cReporter
Private mlngVolumeNumberLocation As Long
Private mlngVolumeNumber As Long
Private mlngClauseStart As Long
Private mlngClauseEnd As Long
Private mbolInitialized As Boolean

Public Property Get AbrvStart() As Long
    AbrvStart = mlngAbrvStart
End Property

Friend Property Let AbrvStart(Source As Long)
    mlngAbrvStart = Source
    If mlngAbrvStart > 0 And mlngAbrvEnd > 0 And Not mbolInitialized Then Call Initialize
End Property

Public Property Get AbrvEnd() As Long
    AbrvEnd = mlngAbrvEnd
End Property

Friend Property Let AbrvEnd(Source As Long)
    mlngAbrvEnd = Source
    If mlngAbrvStart > 0 And mlngAbrvEnd > 0 And Not mbolInitialized Then Call Initialize
End Property

Public Property Get Reporter() As cReporter
    Set Reporter = mbcReporter
End Property

Friend Property Set Reporter(Source As cReporter)
    Set mbcReporter = Source
End Property

Public Property Get VolumeNumberLocation() As Long
    VolumeNumberLocation = mlngVolumeNumberLocation
End Property

Public Property Get VolumeNumber() As Long
    VolumeNumber = mlngVolumeNumber
End Property

Public Property Get ClauseStart() As Long
    ClauseStart = mlngClauseStart
End Property

Public Property Get ClauseEnd() As Long
    ClauseEnd = mlngClauseEnd
End Property

Public Function Text() As String
    Text = ActiveDoc.Words(mlngClauseStart, mlngClauseEnd)
End Function

Public Function AbrvText() As String
    AbrvText = ActiveDoc.Words(mlngAbrvStart, mlngAbrvEnd)
End Function

Private Sub Initialize()

    '-- Locate the volume number.
    If ActiveDoc.Words.IsNumber(mlngAbrvStart - 1, True) Then
        mlngVolumeNumberLocation = mlngAbrvStart - 1
        mlngVolumeNumber = Val(ActiveDoc.Words(mlngVolumeNumberLocation))
    ElseIf ActiveDoc.Words.WordsTrim(mlngAbrvStart - 1) = "" And ActiveDoc.Words(mlngAbrvStart - 1) <> "(" Then
        If ActiveDoc.Words.IsNumber(mlngAbrvStart - 2, True) Then
            mlngVolumeNumberLocation = mlngAbrvStart - 2
            mlngVolumeNumber = Val(ActiveDoc.Words(mlngVolumeNumberLocation))
        End If
    End If

    '-- Locate the clause start.
    mlngClauseStart = mlngAbrvStart
    If mlngVolumeNumberLocation > 0 Then mlngClauseStart = mlngVolumeNumberLocation
    If ActiveDoc.Words(mlngClauseStart - 1) = "(" Then
        mlngClauseStart = mlngClauseStart - 1
    ElseIf ActiveDoc.Words.WordsTrim(mlngClauseStart - 1) = "" And ActiveDoc.Words(mlngClauseStart - 1) <> ")" Then
        If ActiveDoc.Words(mlngClauseStart - 2) = "(" Then
            mlngClauseStart = mlngClauseStart - 2
        End If
    End If

    '-- Locate the clause end.
    mlngClauseEnd = mlngAbrvEnd
    If ActiveDoc.Words(mlngClauseEnd + 1) = ")" Then
        mlngClauseEnd = mlngClauseEnd + 1
    ElseIf ActiveDoc.Words.WordsTrim(mlngClauseEnd + 1) = "" And ActiveDoc.Words(mlngClauseEnd + 1) <> "(" Then
        If ActiveDoc.Words(mlngClauseEnd + 2) = ")" Then
            mlngClauseEnd = mlngClauseEnd + 2
        ElseIf ActiveDoc.Words(mlngClauseEnd + 1) = "," Then
            mlngClauseEnd = mlngClauseEnd + 1
        End If
    End If

End Sub
```

```
Friend Function EditorScore(MainClauseAbrvEnd As Long) As Long

    Dim strWord As String


    strWord = ActiveDoc.Words(mlngClauseEnd)
    If strWord = ")" Then
        EditorScore = EditorScore + 2
    ElseIf strWord = "," Then
        EditorScore = EditorScore + 1
    End If

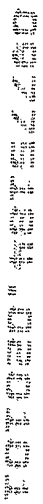
    If mlngVolumeNumberLocation > 0 Then
        If mlngVolumeNumberLocation = mlngAbrvStart - 1 Then EditorScore = EditorScore + 2 Else EditorScore = EditorScore + 1
    End If

    If ActiveDoc.Words(mlngClauseStart) = "(" Then
        EditorScore = EditorScore + 2
    ElseIf ActiveDoc.Words(mlngClauseStart - 1) = "," Then
        EditorScore = EditorScore + 1
    End If

    If mbcReporter.IsEditorReporter Then EditorScore = EditorScore + 3

    If MainClauseAbrvEnd < mlngClauseStart - 1 Then EditorScore = EditorScore - (mlngClauseStart - MainClauseAbrvEnd) + 1

End Function
```



```
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Option Explicit

Public Function IsDecisionClauseClause(Clause As IClause) As Boolean

    If TypeOf Clause Is cClauseJurisdiction _
    Or TypeOf Clause Is cClauseCourt _
    Or TypeOf Clause Is cClauseDate Then IsDecisionClauseClause = True

End Function

Public Function ReportersCompatibleWithCourt(Court As cCourt, ReporterClauses As Collection, Optional MatchingYear As Long) As Long

    '-- Returns one point for each reporter clause that is compatible with the supplied court.

    Dim bcReporterClause As cClauseReporter
    Dim bcMatchingReporter As cReporter
    Dim lngScore As Long


    '-- If the reporter clause's abbreviation is spelled correctly, then only search for reporters within the court that
    '   match this abbreviation exactly. Otherwise, search for similar reporters.

    For Each bcReporterClause In ReporterClauses

        If ActiveDoc.Words.WordsTrim(bcReporterClause.AbrvStart, bcReporterClause.AbrvEnd) = bcReporterClause.Reporter.AbrvNameTrim Then
            Set bcMatchingReporter = Court.Reporters.Item(bcReporterClause.AbrvText, True, False)
        Else
            Set bcMatchingReporter = Court.Reporters.Item(bcReporterClause.AbrvText, True, True)
        End If

        If Not (bcMatchingReporter Is Nothing) Then
            lngScore = lngScore + 1
            If MatchingYear > 0 Then If bcMatchingReporter.YearStart <= MatchingYear And MatchingYear <= bcMatchingReporter.YearEnd Then ln
gScore = lngScore + 1
        End If

    Next bcReporterClause

    ReportersCompatibleWithCourt = lngScore

End Function

Public Function JurisdictionCompatibilityWithReporters(ByRef Jurisdiction As cJurisdiction, ByRef ReporterClauses As Collection) As Long

    '-- Returns a number indicating the level of compatibility between the jurisdiction and the reporter clauses. (One point for
    '   each reporter with which the jurisdiction is compatible.)

    Dim bcReporterClause As cClauseReporter
    Dim strReporterTextTrim As String
    Dim bcCourtGroup As cCourtGroup
    Dim bcMatchingReporter As cReporter
    Dim lngScore As Long


    For Each bcReporterClause In ReporterClauses

        strReporterTextTrim = ActiveDoc.Words.WordsTrim(bcReporterClause.AbrvStart, bcReporterClause.AbrvEnd)
        For Each bcCourtGroup In Jurisdiction.CourtGroups
            Set bcMatchingReporter = bcCourtGroup.Reporters.Item(strReporterTextTrim, True, True)
            If Not (bcMatchingReporter Is Nothing) Then
                lngScore = lngScore + 1
                Exit For
            End If
        Next bcCourtGroup

    Next bcReporterClause

    JurisdictionCompatibilityWithReporters = lngScore

End Function
```

```
Option Explicit

Public Property Get Text() As String
End Property

Public Property Get ClauseStart() As Long
End Property

Public Property Get ClauseEnd() As Long
End Property

Public Property Get NextClause() As IClause
End Property

Public Property Set NextClause(Source As IClause)
End Property

Public Property Get PriorClause() As IClause
End Property

Public Property Set PriorClause(Source As IClause)
End Property

Public Function Score() As Single
End Function

Public Function Clone() As IClause
End Function
```

```
Option Explicit

Public ClausesCount As Long
Public Const CASENAME_PLACEHOLDER As String = "_____ v. _____"
```

```
 -- Copyright 2001 by Robert L. Jacobson.

Option Explicit

Private mmswLinkedDocument As Word.Document
Private mbolDocIsHidden As Boolean
Private mbcWords As cWords

Public Property Get Text() As String
    Text = Words.Text
End Property

Public Property Get RTF() As String
    RTF = mbcWords.TextRTF(1, mbcWords.Count)
End Property

Public Sub Initialize(Optional MSWordDocument As Word.Document)

    If MSWordDocument Is Nothing Then
        Set mmswLinkedDocument = Word.Documents.Add(Visible:=False)
        mbolDocIsHidden = True
    Else
        Set mmswLinkedDocument = MSWordDocument
    End If

    Set mbcWords = New cWords
    Call mbcWords.Initialize(mmswLinkedDocument)

End Sub

Public Property Get Words() As cWords
    Set Words = mbcWords
End Property

Public Property Get Range() As Word.Range
    Set Range = mmswLinkedDocument.Range
End Property

Public Property Let FormattedText(Source As Word.Range)
    mmswLinkedDocument.Range.FormattedText = Source.FormattedText
    Call mbcWords.ResetCache
End Property

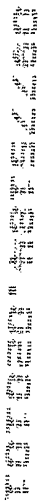
Private Sub Class_Terminate()

    Call mbcWords.Teardown
    Set mbcWords = Nothing

    If mbolDocIsHidden Then mmswLinkedDocument.Close wdDoNotSaveChanges
    Set mmswLinkedDocument = Nothing

End Sub
```

```
 -- Copyright 2001 by Robert L. Jacobson.
Option Explicit
Public Property Get ActiveDoc() As cDocument
    Set ActiveDoc = gbcActiveDoc
End Property
Public Property Set ActiveDoc(Source As cDocument)
    Set gbcActiveDoc = Source
End Property
```



cRichText - 1

```
'-- Copyright 2001 by Robert L. Jacobson.

Option Explicit

Private mrtfBox As RichTextBox

Public Property Get TextRTF() As String

    With mrtfBox
        .SelStart = 0
        .SelLength = Len(.Text)
        TextRTF = .SelRTF
    End With

End Property

Public Property Let TextRTF(Source As String)
    mrtfBox.TextRTF = Source
End Property

Public Property Get Text() As String
    Text = mrtfBox.Text
End Property

Public Property Let SelStart(Source As Long)
    mrtfBox.SelStart = Source - 1
End Property

Public Property Let SelLength(Source As Long)
    mrtfBox.SelLength = Source
End Property

Public Property Let SelColor(Source As Long)
    mrtfBox.SelColor = Source
End Property

Public Function StripRTF(Source As String) As String

    TextRTF = Source
    StripRTF = TextRTF

End Function

Private Sub Class_Initialize()

    Set mrtfBox = fRichText.rtfBox

End Sub

Private Sub Class_Terminate()

    mrtfBox.TextRTF = ""

End Sub
```

```
'-- Copyright 2001 by Robert L. Jacobson.

Option Explicit

Private mmswDocument As Word.Document
Private mstrWordCache() As String
Private mstrWordTrimCache() As String
Private mlngFirstCharCache() As Long
Private mlngLastCharCache() As Long
Private mlngScore() As Long
Private mstrText As String
Private mlngCount As Long
Private mbolCacheInitialized As Boolean

Friend Sub Initialize(MSWDocument As Word.Document)
    Set mmswDocument = MSWDocument
    mbolCacheInitialized = False
End Sub

Friend Sub Teardown()
    Set mmswDocument = Nothing
End Sub

Public Property Get Count() As Long
    If Not mbolCacheInitialized Then Call ResetCache
    Count = mlngCount
End Property

Public Property Get TextRTF(ByVal FirstWord As Long, Optional ByVal LastWord As Long) As String

    Dim mswRange As Word.Range
    Dim bcRichText As New cRichText


    If Not mbolCacheInitialized Then Call ResetCache
    If LastWord = 0 Then LastWord = FirstWord
    If FirstWord < 1 Or FirstWord > mlngCount Or LastWord < FirstWord Or LastWord > mlngCount Then Exit Property

    ' Select the text in the word document, then copy it to the clipboard.

    Clipboard.Clear
    Set mswRange = Range(FirstWord, LastWord, False, False)
    mswRange.Copy

    ' Paste the text into the RTF box, then set the return value to the box's RTF code.

    With bcRichText
        .TextRTF = Clipboard.GetText(vbCFRTF)
        TextRTF = .TextRTF
    End With

End Property

Public Property Let TextRTF(ByVal FirstWord As Long, ByVal LastWord As Long, Source As String)

    Dim mswRange As Word.Range
    Dim bcRichText As New cRichText

    If LastWord = 0 Then LastWord = FirstWord
    If FirstWord < 1 Or FirstWord > mlngCount Or LastWord < FirstWord Or LastWord > mlngCount Then Exit Property

    ' Put the source RTF into the RTF box, then copy the contents of the box to the clipboard.

    Clipboard.Clear
    With bcRichText
        .TextRTF = Source
        Clipboard.SetText .TextRTF, vbCFRTF
    End With

    ' Paste the clipboard into the document, then reparse.

    Set mswRange = Range(FirstWord, LastWord, False, False)
    mswRange.Paste
    mbolCacheInitialized = False

End Property

Friend Property Get Text() As String

    If Not mbolCacheInitialized Then Call ResetCache
    Text = mstrText

End Property

Public Property Get Words(ByVal FirstWord As Long, Optional ByVal LastWord As Long) As String

    Dim lngStart As Long
    Dim lngEnd As Long


    If Not mbolCacheInitialized Then Call ResetCache

    If LastWord = 0 Or LastWord = FirstWord Then

        If FirstWord < 1 Or FirstWord > mlngCount Then Exit Property

        Words = mstrWordCache(FirstWord)

    Else
```

```
cWords - 2

        If LastWord = 0 Then LastWord = FirstWord
        If FirstWord < 1 Or FirstWord > mlngCount Or LastWord < FirstWord Or LastWord > mlngCount Then Exit Property

        lngStart = mlngFirstCharCache(FirstWord) + 1
        lngEnd = mlngLastCharCache(LastWord) + 1
        Words = Mid$(mstrText, lngStart, lngEnd - lngStart)

    End If

End Property

Public Property Let Words(ByVal FirstWord As Long, Optional ByVal LastWord As Long, ByVal NewText As String)

    Dim mswRange As Word.Range


    If Not mbolCacheInitialized Then Call ResetCache
    If LastWord = 0 Then LastWord = FirstWord
    If FirstWord < 1 Or FirstWord > mlngCount Or LastWord < FirstWord Or LastWord > mlngCount Then Exit Property

    Set mswRange = Range(FirstWord, LastWord, True, True)

    If Not (Trim$(NewText) = "") Then

        NewText = Trim$(NewText)
        If ShouldContainSpace(NewText, Words(LastWord + 1)) Then NewText = NewText & " "
        If ShouldContainSpace(Words(FirstWord - 1), NewText) = True Then NewText = " " & NewText

    End If

    mswRange = NewText
    mbolCacheInitialized = False

End Property

Public Property Get FormattedWords(ByVal FirstWord As Long, Optional ByVal LastWord As Long) As Word.Range

    If Not mbolCacheInitialized Then Call ResetCache

    If LastWord = 0 Then LastWord = FirstWord
    If FirstWord < 1 Or FirstWord > mlngCount Or LastWord < FirstWord Or LastWord > mlngCount Then Exit Property

    Set FormattedWords = Range(FirstWord, LastWord).FormattedText

End Property

Public Property Let FormattedWords(ByVal FirstWord As Long, Optional ByVal LastWord As Long, _
ByVal FormattedText As Word.Range)

    Dim mswRange As Word.Range

    If Not mbolCacheInitialized Then Call ResetCache
    If LastWord = 0 Then LastWord = FirstWord
    If FirstWord < 1 Or FirstWord > mlngCount Or LastWord < FirstWord Or LastWord > mlngCount Then Exit Property

    If ShouldContainSpace(FormattedText, Words(LastWord + 1)) Then FormattedText = FormattedText & " "

    If FirstWord > 1 Then
        Set mswRange = mmswDocument.Range(mlngLastCharCache(FirstWord - 1) - 1, mlngFirstCharCache(LastWord + 1) - 1)
        If ShouldContainSpace(Words(FirstWord - 1), FormattedText) = True Then FormattedText = " " & FormattedText
    Else
        Set mswRange = mmswDocument.Range(mlngFirstCharCache(FirstWord) - 1, mlngFirstCharCache(LastWord + 1) - 1)
    End If

    mswRange.FormattedText = FormattedText
    mbolCacheInitialized = False

End Property

Public Property Get WordsTrim(ByVal FirstWord As Long, Optional ByVal LastWord As Long) As String

    Dim i As Long


    If Not mbolCacheInitialized Then Call ResetCache
    If FirstWord < 1 Or FirstWord > mlngCount Then Exit Property

    If LastWord = 0 Or LastWord = FirstWord Then

        WordsTrim = mstrWordTrimCache(FirstWord)

    Else

        If LastWord < FirstWord Or LastWord > mlngCount Then Exit Property
        If mstrWordTrimCache(FirstWord) = "" Then Exit Property

        For i = FirstWord To LastWord
            WordsTrim = WordsTrim & mstrWordTrimCache(i)
        Next i

    End If

End Property

Public Function IsPlaceholder(ByVal WordNumber As Long) As Boolean

    Dim strWord
    Dim strFirstChar As String * 1
    Dim i As Long
```

```
    If Not mbolCacheInitialized Then Call ResetCache
    If WordNumber < 1 Or WordNumber > mlngCount Then Exit Function

    strWord = mstrWordCache(WordNumber)

    If Len(strWord) = 1 Then

        If strWord = "_" Then
            IsPlaceholder = True
            Exit Function
        End If

    Else

        strFirstChar = Left$(strWord, 1)

        If strFirstChar = "_" _
        Or strFirstChar = "-" _
        Or strFirstChar = "x" _
        Or strFirstChar = "X" Then

            IsPlaceholder = True
            For i = 2 To Len(strWord)
                If Mid$(strWord, i, 1) <> strFirstChar Then
                    IsPlaceholder = False
                    Exit Function
                End If
            Next i

        End If
    End If

End Function

Public Function IsNumber(ByVal WordNumber As Long, ByVal IncludePlaceholders As Boolean) As Boolean

    If Not mbolCacheInitialized Then Call ResetCache
    If WordNumber < 1 Or WordNumber > mlngCount Then Exit Function

    If IsNumeric(mstrWordCache(WordNumber)) Then
        IsNumber = True
    ElseIf IncludePlaceholders = True Then
        If IsPlaceholder(WordNumber) Then IsNumber = True
    End If

End Function

Public Property Get FirstChar(ByVal WordNumber As Long) As Long

    If Not mbolCacheInitialized Then Call ResetCache
    If WordNumber < 1 Or WordNumber > mlngCount Then Exit Property

    FirstChar = mlngFirstCharCache(WordNumber)

End Property

Public Property Get LastChar(ByVal WordNumber As Long)

    If Not mbolCacheInitialized Then Call ResetCache
    If WordNumber < 1 Or WordNumber > mlngCount Then Exit Property

    LastChar = mlngLastCharCache(WordNumber)

End Property

Public Property Get SpacesAfterWord(WordNumber As Long) As Long

    If Not mbolCacheInitialized Then Call ResetCache
    If WordNumber < 1 Or WordNumber >= mlngCount Then Exit Property

    SpacesAfterWord = mlngFirstCharCache(WordNumber + 1) - mlngLastCharCache(WordNumber)

End Property

Public Property Get PriorFullWord(ByVal WordNumber As Long) As Long

    Dim i As Long


    If Not mbolCacheInitialized Then Call ResetCache
    If WordNumber < 1 Or WordNumber > mlngCount Then Exit Property

    For i = WordNumber - 1 To 1 Step -1
        If mstrWordTrimCache(i) <> "" Then
            PriorFullWord = i
            Exit Property
        ElseIf IsPlaceholder(i) Then
            PriorFullWord = i
            Exit Property
        End If
    Next i

End Property

Public Property Get NextFullWord(ByVal WordNumber As Long) As Long

    Dim i As Long
```

```
    If Not mbolCacheInitialized Then Call ResetCache
    If WordNumber < 1 Or WordNumber > mlngCount Then Exit Property

    For i = WordNumber + 1 To mlngCount
        If mstrWordTrimCache(i) <> "" Then
            NextFullWord = i
            Exit Property
        ElseIf IsPlaceholder(i) Then
            NextFullWord = i
            Exit Property
        End If
    Next i

    NextFullWord = mlngCount + 1

End Property

Public Property Get Bold(ByVal FirstWord As Long, Optional ByVal LastWord As Long) As Variant

    If Not mbolCacheInitialized Then Call ResetCache
    If LastWord = 0 Then LastWord = FirstWord
    If FirstWord < 1 Or FirstWord > mlngCount Or LastWord < FirstWord Or LastWord > mlngCount Then Exit Property

    Bold = Range(FirstWord, LastWord).Bold

End Property

Public Property Let Bold(ByVal FirstWord As Long, Optional ByVal LastWord As Long, Bold As Variant)

    If Not mbolCacheInitialized Then Call ResetCache
    If LastWord = 0 Then LastWord = FirstWord
    If FirstWord < 1 Or FirstWord > mlngCount Or LastWord < FirstWord Or LastWord > mlngCount Then Exit Property

    Range(FirstWord, LastWord).Bold = Bold

End Property

Public Property Get Highlight(ByVal FirstWord As Long, Optional ByVal LastWord As Long) As Variant

    Dim mswFont   As Word.Font

    If Not mbolCacheInitialized Then Call ResetCache
    If LastWord = 0 Then LastWord = FirstWord
    If FirstWord < 1 Or FirstWord > mlngCount Or LastWord < FirstWord Or LastWord > mlngCount Then Exit Property

    Set mswFont = Range(FirstWord, LastWord).Font

    If mswFont.Color = wdColorRed Then
        Highlight = True
    ElseIf mswFont.Color = wdColorAutomatic Then
        Highlight = False
    End If

End Property

Public Property Let Highlight(ByVal FirstWord As Long, Optional ByVal LastWord As Long, ByVal Highlight As Variant)

    Dim mswFont   As Word.Font

    If Not mbolCacheInitialized Then Call ResetCache
    If LastWord = 0 Then LastWord = FirstWord
    If FirstWord < 1 Or FirstWord > mlngCount Or LastWord < FirstWord Or LastWord > mlngCount Then Exit Property

    Set mswFont = Range(FirstWord, LastWord).Font

    If Highlight = True Then
        mswFont.Color = wdColorRed
    ElseIf Highlight = False Then
        mswFont.Color = wdColorAutomatic
    End If

End Property

Public Property Get Italic(ByVal FirstWord As Long, Optional ByVal LastWord As Long) As Variant

    If Not mbolCacheInitialized Then Call ResetCache
    If LastWord = 0 Then LastWord = FirstWord
    If FirstWord < 1 Or FirstWord > mlngCount Or LastWord < FirstWord Or LastWord > mlngCount Then Exit Property

    Italic = Range(FirstWord, LastWord).Italic

End Property

Public Property Let Italic(ByVal FirstWord As Long, Optional ByVal LastWord As Long, ByVal Italic As Variant)

    If Not mbolCacheInitialized Then Call ResetCache
    If LastWord = 0 Then LastWord = FirstWord
    If FirstWord < 1 Or FirstWord > mlngCount Or LastWord < FirstWord Or LastWord > mlngCount Then Exit Property

    Range(FirstWord, LastWord).Italic = Italic

End Property

Public Property Get Underline(ByVal FirstWord As Long, Optional ByVal LastWord As Long) As Variant

    If Not mbolCacheInitialized Then Call ResetCache
    If FirstWord < 1 Or FirstWord > mlngCount Then Exit Property
    If LastWord > 0 Then If LastWord < FirstWord Or LastWord > mlngCount Then Exit Property
```

```
cWords - 5

    Underline = Range(FirstWord, LastWord).Underline

End Property

Public Property Let Underline(ByVal FirstWord As Long, Optional ByVal LastWord As Long, ByVal Underline As Variant)

    If Not mbolCacheInitialized Then Call ResetCache
    If FirstWord < 1 Or FirstWord > mlngCount Then Exit Property
    If LastWord > 0 Then If LastWord < FirstWord Or LastWord > mlngCount Then Exit Property

    Range(FirstWord, LastWord).Underline = Underline

End Property

Public Sub Delete(ByVal FirstWord As Long, Optional ByVal LastWord As Long)

    Dim bolInsertSpace As Boolean
    Dim mswRange As Range


    If Not mbolCacheInitialized Then Call ResetCache
    If FirstWord < 1 Or FirstWord > mlngCount Then Exit Sub
    If LastWord > 0 Then If LastWord < FirstWord Or LastWord > mlngCount Then Exit Sub

    If ShouldContainSpace(Words(FirstWord - 1), Words(LastWord + 1)) = True Then bolInsertSpace = True

    Set mswRange = Range(FirstWord, LastWord, True, True)
    If bolInsertSpace = True Then
        mswRange.Text = " "
    Else
        mswRange.Delete
    End If

    mbolCacheInitialized = False

End Sub

Public Sub Insert(ByVal InsertBeforeWord As Long, ByVal TextToInsert As Variant)

    Dim mswRange As Word.Range


    If Not mbolCacheInitialized Then Call ResetCache
    If InsertBeforeWord < 1 Or InsertBeforeWord > mlngCount + 1 Then Exit Sub

    If InsertBeforeWord = 1 Then
        Set mswRange = mmswDocument.Range(Start:=0, End:=0)
    ElseIf InsertBeforeWord = mlngCount + 1 Then
        Set mswRange = mmswDocument.Range(mlngLastCharCache(InsertBeforeWord - 1) + 1, mlngLastCharCache(InsertBeforeWord - 1) + 1)
        mswRange.Collapse
    Else
        Set mswRange = mmswDocument.Range(mlngLastCharCache(InsertBeforeWord - 1), mlngFirstCharCache(InsertBeforeWord))
    End If

    If Not Trim(TextToInsert) = "" Then
        TextToInsert = Trim(TextToInsert)
        If ShouldContainSpace(Words(InsertBeforeWord - 1), TextToInsert) = True Then TextToInsert = " " & TextToInsert
        If ShouldContainSpace(TextToInsert, Words(InsertBeforeWord)) Then TextToInsert = TextToInsert & " "
    End If

    If TypeOf TextToInsert Is Range Then
        mswRange.FormattedText = TextToInsert
    Else
        mswRange = TextToInsert
    End If

    mbolCacheInitialized = False

End Sub

Public Function Range(ByVal FirstWord As Long, Optional ByVal LastWord As Long, _
Optional ByVal IncludeLeadingSpaces As Boolean = False, Optional ByVal IncludeTrailingSpace As Boolean = False) _
As Word.Range

    Dim lngStartChar As Long
    Dim lngEndChar As Long


    If Not mbolCacheInitialized Then Call ResetCache
    If LastWord = 0 Then LastWord = FirstWord
    If FirstWord < 1 Or FirstWord > mlngCount Or LastWord < FirstWord Or LastWord > mlngCount Then Exit Function

    If IncludeLeadingSpaces = True And FirstWord > 1 Then
        lngStartChar = mlngLastCharCache(FirstWord - 1)
    Else
        lngStartChar = mlngFirstCharCache(FirstWord)
    End If

    If IncludeTrailingSpace = True And LastWord < mlngCount Then
        lngEndChar = mlngFirstCharCache(LastWord + 1)
    Else
        lngEndChar = mlngLastCharCache(LastWord)
    End If

    Set Range = mmswDocument.Range(lngStartChar, lngEndChar)

End Function

Private Function ShouldContainSpace(ByVal FirstPhrase As Variant, ByVal SecondPhrase As Variant) As Boolean

    Dim strNextChar As String * 1
```

```
    Dim strLastChar As String * 1


    If Not mbolCacheInitialized Then Call ResetCache
    FirstPhrase = Trim$(FirstPhrase)
    SecondPhrase = Trim$(SecondPhrase)

    If FirstPhrase = "" Or SecondPhrase = "" Then
        ShouldContainSpace = False
    Else

        strLastChar = Right$(FirstPhrase, 1)
        strNextChar = Left$(SecondPhrase, 1)

        If strLastChar <> "(" _
        And strLastChar <> " " _
        And strNextChar <> ")" _
        And strNextChar <> "]" _
        And strNextChar <> "." _
        And strNextChar <> "," _
        And strNextChar <> ":" _
        And strNextChar <> ";" _
        And strNextChar <> "!" Then
            ShouldContainSpace = True
        End If

    End If

End Function

Friend Sub ResetCache()

    If mmswDocument.Range <> mstrText Then
        mlngCount = mmswDocument.Characters.Count
        ReDim mstrWordCache(1 To mlngCount)
        ReDim mstrWordTrimCache(1 To mlngCount)
        ReDim mlngFirstCharCache(1 To mlngCount)
        ReDim mlngLastCharCache(1 To mlngCount)
        mstrText = mmswDocument.Range
        Call CacheWords
    End If
    mbolCacheInitialized = True

End Sub

Private Sub CacheWords()

    Dim i As Long
    Dim lngChar As Long
    Dim lngNextChar As Long
    Dim lngWordNumber As Long
    Dim strChar As String * 1
    Dim strNextChar As String * 1
    Dim bolStopWord As Boolean
    Dim lngCharType As Long
    Dim lngNextCharType As Long

    Dim lngTextLength As Long
    Dim strWord As String

    Const ALPHANUMERIC As Long = 1
    Const STOPPUNCTUATION As Long = 2
    Const CONTINUEPUNCTUATION As Long = 3
    Const SPACE As Long = 4


    lngWordNumber = 1
    lngTextLength = Len(mstrText)

    strNextChar = Mid$(mstrText, 1, 1)
    lngNextChar = Asc(strNextChar)
    Select Case lngNextChar
        Case 48 To 57, 65 To 90, 97 To 122, 192 To 246, 248 To 255      ' Letters, including foreign letters.
            lngNextCharType = ALPHANUMERIC
        Case 45, 95                                                     ' Underscore or hyphen
            lngNextCharType = CONTINUEPUNCTUATION
        Case 32
            lngNextCharType = SPACE
        Case Else
            lngNextCharType = STOPPUNCTUATION
    End Select

    For i = 1 To lngTextLength

        strChar = strNextChar
        lngChar = lngNextChar
        lngCharType = lngNextCharType

        strNextChar = Mid$(mstrText, i + 1, 1)
        lngNextChar = Asc(strNextChar)
        Select Case lngNextChar
            Case 48 To 57, 65 To 90, 97 To 122, 192 To 246, 248 To 255      ' Letters, including foreign letters.
                lngNextCharType = ALPHANUMERIC
            Case 45, 95                                                     ' Underscore or hyphen
                lngNextCharType = CONTINUEPUNCTUATION
            Case 32
                lngNextCharType = SPACE
            Case Else
                lngNextCharType = STOPPUNCTUATION
        End Select
```

```
        Select Case lngCharType
            Case ALPHANUMERIC
                strWord = strWord & strChar
                '-- If this character is alphanumeric, then continue the word if the next character is also alphanuemric.
                If lngNextCharType = ALPHANUMERIC Then
                    bolStopWord = False
                Else
                    bolStopWord = True
                End If
            Case CONTINUEPUNCTUATION
                strWord = strWord & strChar
                '-- If this character is a "continue punctuation" (a hyphen or an underscore), then continue the word if the next
                '   character is identical to this character.
                If lngNextChar = lngChar Then
                    bolStopWord = False
                Else
                    bolStopWord = True
                End If
            Case STOPPUNCTUATION
                '-- If this character is a "stop punctuation" (any other type of punctuation), then stop the word.
                strWord = strWord & strChar
                bolStopWord = True
            '-- If this character is a space, do nothing.
        End Select

        If bolStopWord = True Or i = lngTextLength Then

            mstrWordCache(lngWordNumber) = strWord
            If lngCharType = ALPHANUMERIC Then mstrWordTrimCache(lngWordNumber) = LCase$(strWord)
            mlngLastCharCache(lngWordNumber) = i
            mlngFirstCharCache(lngWordNumber) = i - Len(strWord)
            lngWordNumber = lngWordNumber + 1
            bolStopWord = False
            strWord = ""

        End If

    Next i

    mlngCount = lngWordNumber - 1
    ReDim Preserve mstrWordCache(1 To mlngCount)
    ReDim Preserve mstrWordTrimCache(1 To mlngCount)
    ReDim Preserve mlngFirstCharCache(1 To mlngCount)
    ReDim Preserve mlngLastCharCache(1 To mlngCount)

End Sub

Public Sub ScoreReset()
    ReDim mlngScore(1 To mlngCount)
End Sub

Public Property Get Score(WordNumber As Long) As Long
    If WordNumber > 0 And WordNumber <= mlngCount Then Score = mlngScore(WordNumber)
End Property

Public Property Let Score(WordNumber As Long, Source As Long)
    If WordNumber > 0 And WordNumber <= mlngCount Then mlngScore(WordNumber) = Source
End Property

Public Function ScoreBest(Optional MinimumScore As Long) As Long

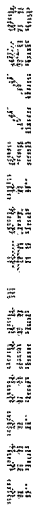
    Dim i As Long
    Dim lngHighestScore As Long

    lngHighestScore = MinimumScore - 1
    For i = 1 To mlngCount
        If mlngScore(i) > lngHighestScore Then
            lngHighestScore = mlngScore(i)
            ScoreBest = i
        End If
    Next i

End Function
```

fRichText - 1

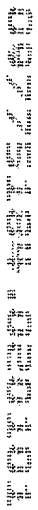

```
Option Explicit
```



```
'-- Copyright 2001 by Robert L. Jacobson.

Option Explicit

Public gbcActiveDoc As cDocument
Public ClausesCount As Long
```



```
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Option Explicit

Private Const SPACE As Long = 32

Public Function SuperTrim(ByVal Source As String) As String

    Dim i As Long
    Dim strCharacter As String * 1
    Dim strTrimmedString As String
    Dim lngAscCharacter As Long

    Source = LCase(Source)
    For i = 1 To Len(Source)
        strCharacter = Mid$(Source, i, 1)
        lngAscCharacter = Asc(strCharacter)

        If (lngAscCharacter >= 48 And lngAscCharacter <= 57) _
            Or (lngAscCharacter >= 97 And lngAscCharacter <= 122) _
            Or (lngAscCharacter >= 192 And lngAscCharacter <= 246) _
            Or (lngAscCharacter >= 248 And lngAscCharacter <= 255) _
            Then strTrimmedString = strTrimmedString & strCharacter

        If lngAscCharacter = 38 Then strTrimmedString = strTrimmedString & "and"

    Next i

    SuperTrim = strTrimmedString

End Function

Public Function ExistsInCollection(Item As Variant, Collection As Collection) As Boolean

    Dim varItem As Variant


    For Each varItem In Collection
        If Item = varItem Then
            ExistsInCollection = True
            Exit Function
        End If
    Next varItem

End Function

Public Function AddArticle(Source As String) As String

    Returns a string containing the original string, preceeded with its correct indefinite article ("a" or "an").

    Dim strChar As String


    strChar = LCase(Left$(Source, 1))
    Select Case strChar
        Case "a", "e", "i", "o", "u"
            AddArticle = "an " & Source
        Case Else
            AddArticle = "a " & Source
    End Select

End Function
```

```
'-- Copyright 2001 by Robert L. Jacobson.

Option Explicit

Private Declare Function timeGetTime Lib "winmm.dll" () As Long

Private mlngStartTimer As Long
Private mstrIdentifier As String
Private mlngRepetitions As Long

Public Sub StartTimer(Repetitions As Long, Optional ByVal Identifier As String)

    mlngRepetitions = Repetitions
    mstrIdentifier = Identifier
    Debug.Print vbCrLf & "Starting timer...."
    mlngStartTimer = timeGetTime

End Sub

Public Sub EndTimer()

    Dim sngEndTimer As Long
    Dim sngSeconds As Single
    Dim sngLengthPerRep As Single
    Dim dbRepsPerSec As Single


    sngEndTimer = timeGetTime
    sngSeconds = (sngEndTimer - mlngStartTimer) / 1000
    sngLengthPerRep = sngSeconds / mlngRepetitions

    Debug.Print "Ending timer...." & vbCrLf
    If mstrIdentifier <> "" Then Debug.Print "Identifier: " & mstrIdentifier
    Debug.Print "Elapsed seconds: " & sngSeconds

    If sngLengthPerRep > 0 Then
        dbRepsPerSec = Round(mlngRepetitions / sngSeconds, 1)

        If sngLengthPerRep > 1 Then
            sngLengthPerRep = Round(sngLengthPerRep, 2)
            Debug.Print "Length per repetition: " & sngLengthPerRep & " seconds"
            Debug.Print "Repetitions per second: " & dbRepsPerSec
            MsgBox "Repetitions: " & mlngRepetitions & vbCrLf & vbCrLf & "Elapsed seconds: " & sngSeconds & vbCrLf & vbCrLf & "Length per r
epetition: " & sngLengthPerRep & " seconds" & vbCrLf & vbCrLf & "Repetitions per second: " & dbRepsPerSec, vbInformation, "Timer result."
        ElseIf sngLengthPerRep > 0.001 Then
            sngLengthPerRep = Round(sngLengthPerRep, 4) * 1000
            Debug.Print "Length per repetition: " & sngLengthPerRep & " miliseconds."
            Debug.Print "Repetitions per second: " & dbRepsPerSec
            MsgBox "Repetitions: " & mlngRepetitions & vbCrLf & vbCrLf & "Elapsed seconds: " & sngSeconds & vbCrLf & vbCrLf & "Length per r
epetition: " & sngLengthPerRep & " miliseconds" & vbCrLf & vbCrLf & "Repetitions per second: " & dbRepsPerSec, vbInformation, "Timer result
."
        ElseIf sngSeconds <> 0 Then
            sngLengthPerRep = Round(sngLengthPerRep, 7) * 1000000
            Debug.Print "Length per repetition: " & sngLengthPerRep & " microseconds."
            Debug.Print "Repetitions per second: " & dbRepsPerSec
            MsgBox "Repetitions: " & mlngRepetitions & vbCrLf & vbCrLf & "Elapsed seconds: " & sngSeconds & vbCrLf & vbCrLf & "Length per r
epetition: " & sngLengthPerRep & " microseconds" & vbCrLf & vbCrLf & "Repetitions per second: " & dbRepsPerSec, vbInformation, "Timer resul
t."
        End If

    Else
        Debug.Print "Length per repetition: N/A."
        Debug.Print "Repetitions per second: N/A."
        MsgBox "Repetitions: " & mlngRepetitions & vbCrLf & vbCrLf & "Elapsed seconds: Less than one" & vbCrLf & vbCrLf & "Length per repet
ition: N/A" & vbCrLf & vbCrLf & "Repetitions per second: N/A", vbInformation, "Timer result."
    End If


End Sub
```

```
'-- Copyright 2001 by Robert L. Jacobson.

Option Explicit

Private mstrFullName As String
Private mstrAbrvName As String
Private mstrFullNameTrim As String
Private mstrAbrvNameTrim As String
Private mlngYearStart As Long
Private mlngYearEnd As Long
Private mbcParent As cJurisdiction
Private mbolJurisdictionImplicit As Boolean
Private mbcCourtGroup As cCourtGroup

Public Score As Long


'Private Sub Class_Initialize()
'
'    ObjectsCount = ObjectsCount + 1
'    Debug.Print "Court created. Total: " & ObjectsCount
'
'End Sub
'
'Private Sub Class_Terminate()
'
'    ObjectsCount = ObjectsCount - 1
'    Debug.Print "Court destroyed. Total: " & ObjectsCount
'
'End Sub

Public Property Get FullName() As String
    FullName = mstrFullName
End Property

Friend Property Let FullName(ByVal Source As String)
    mstrFullName = Source
    mstrFullNameTrim = SuperTrim(Source)
End Property

Public Property Get AbrvName() As String
    AbrvName = mstrAbrvName
End Property

Friend Property Let AbrvName(ByVal Source As String)
    mstrAbrvName = Source
    mstrAbrvNameTrim = SuperTrim(Source)
End Property

Public Property Get FullNameTrim() As String
    FullNameTrim = mstrFullNameTrim
End Property

Public Property Get AbrvNameTrim() As String
    AbrvNameTrim = mstrAbrvNameTrim
End Property

Public Property Get YearStart() As Long
    YearStart = mlngYearStart
End Property

Friend Property Let YearStart(ByVal Source As Long)
    mlngYearStart = Source
End Property

Public Property Get YearEnd() As Long
    YearEnd = mlngYearEnd
End Property

Friend Property Let YearEnd(ByVal Source As Long)
    mlngYearEnd = Source
End Property

Public Property Get Parent() As cJurisdiction
    Set Parent = mbcParent
End Property

Friend Property Set Parent(Source As cJurisdiction)
    Set mbcParent = Source
End Property

Public Property Get JurisdictionImplicit() As Boolean
    JurisdictionImplicit = mbolJurisdictionImplicit
End Property

Friend Property Let JurisdictionImplicit(ByVal Source As Boolean)
    mbolJurisdictionImplicit = Source
End Property

Public Function ImplicitJurisdiction() As cJurisdiction
    If mbolJurisdictionImplicit Then
        Set ImplicitJurisdiction = Me.Parent
    End If
End Function


Friend Property Set CourtGroup(Source As cCourtGroup)
    Set mbcCourtGroup = Source
End Property

Public Property Get CourtGroup() As cCourtGroup
```

```
    Set CourtGroup = mbcCourtGroup
End Property

Public Function Reporters() As cReporters
    Set Reporters = mbcCourtGroup.Reporters
End Function

Public Function ParallelReporters() As Collection
    Set ParallelReporters = mbcCourtGroup.ParallelReporters
End Function

Public Function NonParallelReporters() As Collection
    Set NonParallelReporters = mbcCourtGroup.NonParallelReporters
End Function
```

```
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Option Explicit

Private mbcReporters As cReporters
Private mcolParallelReporters As Collection
Private mcolNonParallelReporters As Collection
Private mbcParent As cJurisdiction

Private mstrFullName As String

Private Sub Class_Initialize()

    Set mbcReporters = New cReporters
    Set mcolParallelReporters = New Collection
    Set mcolNonParallelReporters = New Collection

'    ObjectsCount = ObjectsCount + 1
'    Debug.Print "Court Group created. Total: " & ObjectsCount

End Sub

'Private Sub Class_Terminate()
'
'    ObjectsCount = ObjectsCount - 1
'    Debug.Print "Court Group destroyed. Total: " & ObjectsCount
'
'End Sub

Public Property Get Reporters() As cReporters
    Set Reporters = mbcReporters
End Property

Friend Property Set Reporters(Source As cReporters)
    Set mbcReporters = Source
End Property

Public Property Get ParallelReporters() As Collection
    Set ParallelReporters = mcolParallelReporters
End Property

Friend Property Set ParallelReporters(Source As Collection)
    Set mcolParallelReporters = Source
End Property

Public Property Get NonParallelReporters() As Collection
    Set NonParallelReporters = mcolNonParallelReporters
End Property

Friend Property Set NonParallelReporters(Source As Collection)
    Set mcolNonParallelReporters = Source
End Property

Public Property Get Parent() As cJurisdiction
    Set Parent = mbcParent
End Property

Friend Property Set Parent(Source As cJurisdiction)
    Set mbcParent = Source
End Property

Public Property Get FullName() As String
    FullName = mstrFullName
End Property

Friend Property Let FullName(ByVal Source As String)
    mstrFullName = Source
End Property
```

```
'-- Copyright 2001 by Robert L. Jacobson.

Option Explicit

Private mcolCourts As Collection
Private mbcFuzzyCollection As cFuzzyCollection

Friend Property Get FuzzyCollection() As cFuzzyCollection
    Set FuzzyCollection = mbcFuzzyCollection
End Property

Private Sub Class_Initialize()

    Set mcolCourts = New Collection
    Set mbcFuzzyCollection = New cFuzzyCollection

End Sub

Public Sub ScoreReset()

    Dim bcCourt As cCourt

    For Each bcCourt In mcolCourts
        bcCourt.Score = 0
    Next bcCourt

End Sub

Public Function ScoreBest() As cCourt

    Dim bcCourt As cCourt
    Dim lngBestScore As Long

    For Each bcCourt In mcolCourts
        If bcCourt.Score > lngBestScore Then
            Set ScoreBest = bcCourt
            lngBestScore = bcCourt.Score
        End If
    Next bcCourt

End Function

Public Function ScoresBest(Optional MinimumScore As Long, Optional Deviance As Long) As Collection

    Dim bcCourt As cCourt
    Dim lngBestScore As Long
    Dim lngMinimum As Long

    For Each bcCourt In mcolCourts
        If bcCourt.Score > lngBestScore Then lngBestScore = bcCourt.Score
    Next bcCourt

    lngMinimum = lngBestScore - Deviance
    If MinimumScore > 0 And lngMinimum < MinimumScore Then lngMinimum = MinimumScore

    Set ScoresBest = New Collection
    If lngBestScore >= lngMinimum Then
        For Each bcCourt In mcolCourts
            If bcCourt.Score >= lngMinimum Then ScoresBest.Add bcCourt
        Next bcCourt
    End If

End Function

Friend Sub Add(Court As cCourt, Aliases As Variant)

    Dim varAlias As Variant
    Dim strAliasTrim As String


    With Court
        mcolCourts.Add Court
        mbcFuzzyCollection.Add Court, .AbrvNameTrim
        If .AbrvNameTrim <> .FullNameTrim Then mbcFuzzyCollection.Add Court, .FullNameTrim
    End With

    For Each varAlias In Aliases
        strAliasTrim = CStr(varAlias)                                   '-- Aliases should be supplied as trimmed.
        If Not (varAlias = SuperTrim(strAliasTrim)) Then Stop           '-- For debugging only. Delete later.
        mbcFuzzyCollection.Add Court, strAliasTrim
    Next varAlias

End Sub

Public Function Item(Key As String, MatchExactAlias As Boolean, MatchSimilarAlias As Boolean, Optional YearToMatch As Long, Optional KeyIsT
rimmed As Boolean = False) As cCourt

    Dim strKeyTrim As String
    Dim bcCourt As cCourt
    Dim colMatches As Collection


    If KeyIsTrimmed Then
        strKeyTrim = Key
    Else
        strKeyTrim = SuperTrim(Key)
    End If

    If MatchExactAlias = False And MatchSimilarAlias = False Then
        Set colMatches = New Collection
```

```
        For Each bcCourt In mcolCourts
            If strKeyTrim = bcCourt.AbrvNameTrim Then colMatches.Add bcCourt
        Next bcCourt
    Else
        Set colMatches = mbcFuzzyCollection.ExactItems(strKeyTrim)
        If MatchSimilarAlias = True Then If colMatches.Count = 0 Then Set colMatches = mbcFuzzyCollection.SimilarItems(strKeyTrim)
    End If

    If colMatches.Count > 0 Then
        '-- Assume that the first match is correct.
        Set Item = colMatches(1)
        '-- If there are multiple matches and a year to match is suppplied, then search for a matching court with the
        '   correct year.
        If colMatches.Count > 1 And YearToMatch > 0 Then
            For Each bcCourt In colMatches
                If bcCourt.YearStart <= YearToMatch And bcCourt.YearEnd >= YearToMatch Then
                    Set Item = bcCourt
                    Exit For
                End If
            Next bcCourt
        End If
    End If

End Function

Public Function Items(Key As String, MatchSimilarFuzzyCollection As Boolean, Optional KeyIsTrimmed As Boolean = False) As Collection

    Dim strKeyTrim As String
    Dim bcCourt As cCourt


    If KeyIsTrimmed Then
        strKeyTrim = Key
    Else
        strKeyTrim = SuperTrim(Key)
    End If

    Set Items = mbcFuzzyCollection.ExactItems(strKeyTrim)
    If MatchSimilarFuzzyCollection = True Then
        If Items.Count = 0 Then Set Items = mbcFuzzyCollection.SimilarItems(strKeyTrim)
    End If

End Function

Public Function Count() As Long
    Count = mcolCourts.Count
End Function

Public Function NewEnum() As IUnknown
    Set NewEnum = mcolCourts.[_NewEnum]
End Function
```

```
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Option Explicit

Private mobjItems() As Object
Private mstrKeys() As String
Private mintArrayStart() As Integer
Private mintArrayEnd() As Integer
Private mlngCount As Long
Private mlngArraySize As Long
Private mbolInitialized As Boolean

Private Const INCREASE_PERCENT As Long = 0.1
Private Const INCREASE_MIN As Long = 10
Private Const BUCKETS As Long = 128

Friend Sub Add(Item As Object, Key As String)

    Dim lngIncrease As Long


    '-- If the array is full, then resize the array to make room for the new entry.
    If mlngCount = mlngArraySize Then
        lngIncrease = mlngArraySize * INCREASE_PERCENT
        If lngIncrease < INCREASE_MIN Then lngIncrease = INCREASE_MIN
        mlngArraySize = mlngArraySize + lngIncrease
        ReDim Preserve mobjItems(1 To mlngArraySize)
        ReDim Preserve mstrKeys(1 To mlngArraySize)
    End If

    '-- Add the new item.
    mlngCount = mlngCount + 1
    Set mobjItems(mlngCount) = Item
    mstrKeys(mlngCount) = Key

    mbolInitialized = False

End Sub

Friend Function ExactItem(Source As String) As Object

    '-- Look for an item that has a key that matches exactly.

    Dim i As Long
    Dim lngValue As Long

    If Not mbolInitialized Then Call Initialize
    lngValue = AsciiValue(Source)

    For i = mintArrayStart(lngValue) To mintArrayEnd(lngValue)
        If Source = mstrKeys(i) Then
            Set ExactItem = mobjItems(i)
            Exit Function
        End If
    Next i

End Function

Friend Function ExactItems(Source As String) As Collection

    '-- Look for an item that has a key that matches exactly.

    Dim i As Long
    Dim lngValue As Long


    Set ExactItems = New Collection
    If Not mbolInitialized Then Call Initialize
    lngValue = AsciiValue(Source)

    For i = mintArrayStart(lngValue) To mintArrayEnd(lngValue)
        If Source = mstrKeys(i) Then
            ExactItems.Add mobjItems(i)
        End If
    Next i

End Function

Friend Function SimilarItems(Source As String) As Collection

    '-- Search for an item with a similar key.

    Dim i As Long
    Dim lngValue As Long
    Dim lngSourceLength As Long


    Set SimilarItems = New Collection
    If Not mbolInitialized Then Call Initialize
    lngSourceLength = Len(Source)

    If lngSourceLength > 1 Then
        lngValue = AsciiValue(Source)
        For i = mintArrayStart(lngValue) To mintArrayEnd(lngValue)

            Select Case Len(mstrKeys(i))

                Case Is > 2
                    If Abs(lngSourceLength - Len(mstrKeys(i))) < 2 Then
                        If EditDistanceMaxOne(mstrKeys(i), Source) = 1 Then
```

```
                        SimilarItems.Add mobjItems(i)
                    End If
                End If

            Case Is = 2
                If lngSourceLength = 3 Then
                    If EditDistanceMaxOne(mstrKeys(i), Source) = 1 Then
                        SimilarItems.Add mobjItems(i)
                    End If
                End If

        End Select

    Next i
End If

End Function

Friend Sub Initialize()

    Call SortValues
    Call CreateForwardStar
    mbolInitialized = True

End Sub

Private Sub SortValues()

    '-- Sort the items by key value using a modified countingsort.

    Dim i As Long
    Dim lngValue As Long
    Dim lngCounts() As Long
    Dim lngNextPosition() As Long
    Dim lngPosition As Long
    Dim strSortedKeys() As String
    Dim objSortedItems() As Object

    '-- Initialize the counts to 0.
    ReDim lngCounts(0 To BUCKETS)
    ReDim lngNextPosition(0 To BUCKETS)

    '-- Count the values.
    For i = 1 To mlngCount
        lngValue = AsciiValue(mstrKeys(i))
        lngCounts(lngValue) = lngCounts(lngValue) + 1
    Next i

    '-- Determine the correct starting position for each value.
    lngPosition = 1
    For i = 0 To BUCKETS
        lngNextPosition(i) = lngPosition
        lngPosition = lngPosition + lngCounts(i)
    Next i

    '-- Build a new array with the items in their correct positions.
    ReDim strSortedKeys(1 To mlngCount)
    ReDim objSortedItems(1 To mlngCount)
    For i = 1 To mlngCount
        lngValue = AsciiValue(mstrKeys(i))
        lngPosition = lngNextPosition(lngValue)
        If Not strSortedKeys(lngPosition) = vbNullString Then Err.Raise 1000          '-- Check for error.
        strSortedKeys(lngPosition) = mstrKeys(i)
        Set objSortedItems(lngPosition) = mobjItems(i)
        lngNextPosition(lngValue) = lngNextPosition(lngValue) + 1
    Next i

    '-- Assingn the new sorted arrays as the main module arrays.
    mstrKeys = strSortedKeys
    mobjItems = objSortedItems
    mlngArraySize = mlngCount

End Sub

Private Sub CreateForwardStar()

    '-- Build a forward star data structure by locating the first and last items containg this first letter

    Dim i As Long
    Dim lngValue As Long


    ReDim mintArrayStart(0 To BUCKETS)
    ReDim mintArrayEnd(0 To BUCKETS)

    For i = 0 To BUCKETS
        mintArrayStart(i) = 0
        mintArrayEnd(i) = -1
    Next i

    For i = 1 To mlngCount
        lngValue = AsciiValue(mstrKeys(i))
        If mintArrayStart(lngValue) = 0 Then mintArrayStart(lngValue) = i
        mintArrayEnd(lngValue) = i
    Next i

End Sub

Private Function AsciiValue(Source As String) As Long

    '-- Returns a value depending on the first letter of the source, or 0 if the source is an empty string.
```

```
    If Source = vbNullString Then
        AsciiValue = 0
    Else
        AsciiValue = Asc(Source) Mod BUCKETS
    End If

End Function

Private Sub DebugPrintForwardStar()

    Dim i As Long

    For i = 0 To BUCKETS
        Debug.Print i & ": " & mintArrayStart(i), mintArrayEnd(i)
    Next i

End Sub

Private Sub DebugPrintItems(Value As Long)

    Dim i As Long

    For i = mintArrayStart(Value) To mintArrayEnd(Value)
        Debug.Print mstrKeys(i)
    Next i

End Sub

Private Function EditDistanceMaxOne(ByVal Source As String, ByVal Target As String) As Long

    Dim i As Long
    Dim lngFirstWrongChar As Long
    Dim lngLastWrongChar As Long
    Dim bytSource() As Byte
    Dim bytTarget() As Byte
    Dim lngSourceLen As Long
    Dim lngTargetLen As Long
    Dim lngOffset As Long

    lngSourceLen = Len(Source)
    lngTargetLen = Len(Target)

    '-- Convert the strings to byte arrays. If one string is longer than the other, then pad the end of the shorter string with
    '   an extra space.
    If lngSourceLen < lngTargetLen Then
        bytSource = Source & " "
        bytTarget = Target
        lngOffset = -2
    ElseIf lngSourceLen > lngTargetLen Then
        bytSource = Source
        bytTarget = Target & " "
        lngOffset = 2
    Else
        bytSource = Source
        bytTarget = Target
    End If

    '-- Search forward from the start to determine the first error.
    For i = 0 To UBound(bytSource) Step 2
        If bytSource(i) <> bytTarget(i) Then
            lngFirstWrongChar = i
            Exit For
        End If
    Next i

    '-- Search backwards from the end to determine the last error.
    If lngSourceLen > lngTargetLen Then
        For i = lngSourceLen * 2 - 2 To lngFirstWrongChar Step -2
            If bytSource(i) <> bytTarget(i - lngOffset) Then
                lngLastWrongChar = i
                Exit For
            End If
        Next i
    ElseIf lngSourceLen = lngTargetLen Then
        For i = lngSourceLen * 2 - 2 To lngFirstWrongChar Step -2
            If bytSource(i) <> bytTarget(i) Then
                lngLastWrongChar = i
                Exit For
            End If
        Next i
    Else
        For i = lngSourceLen * 2 - 2 To lngFirstWrongChar Step -2
            If bytSource(i) <> bytTarget(i - lngOffset) Then
                lngLastWrongChar = i - lngOffset
                Exit For
            End If
        Next i
    End If

    '-- Determine whether the first and last errors are at the same position.
    If lngFirstWrongChar >= lngLastWrongChar Then
        EditDistanceMaxOne = 1
    ElseIf lngFirstWrongChar = lngLastWrongChar - 2 Then
        '-- If the only problem is that two characters are transposed, treat that as a single edit count
        '   (even though the traditional edit distance function treats transposed characters as two edits).
        If bytSource(lngFirstWrongChar) = bytTarget(lngLastWrongChar) _
        And bytSource(lngLastWrongChar) = bytTarget(lngFirstWrongChar) Then
            EditDistanceMaxOne = 1
        Else
```

```
            EditDistanceMaxOne = 2
        End If
    Else
        EditDistanceMaxOne = 2
    End If

End Function
```

```
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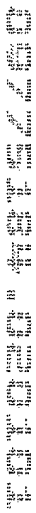
Option Explicit
Private mbcJurisdictions As cJurisdictions

Public Property Get Jurisdictions() As cJurisdictions
    If mbcJurisdictions Is Nothing Then Set mbcJurisdictions = New cJurisdictions
    Set Jurisdictions = mbcJurisdictions
End Property

Public Property Set Jurisdictions(Source As cJurisdiction)
    Set mbcJurisdictions = Source
End Property

Private Sub Class_Initialize()
    Set mbcJurisdictions = gbcJurisdictions
End Sub
```



```
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Option Explicit

Private mbcCourts As cCourts
Private mcolCourtGroups As Collection
Private mbcAllReporters As cReporters
Private mstrFullName As String
Private mstrAbrvName As String
Private mstrFullNameTrim As String
Private mstrAbrvNameTrim As String
Public Score As Long

Private Sub Class_Initialize()

    Set mbcCourts = New cCourts
    Set mcolCourtGroups = New Collection
    Set mbcAllReporters = New cReporters

'    ObjectsCount = ObjectsCount + 1
'    Debug.Print "Jurisdiction created. Total: " & ObjectsCount

End Sub

'Private Sub Class_Terminate()
'
'    ObjectsCount = ObjectsCount - 1
'    Debug.Print "Jurisdiction destroyed. Total: " & ObjectsCount
'
'End Sub

Public Property Get Courts() As cCourts
    Set Courts = mbcCourts
End Property

Public Property Get AllReporters() As cReporters
    Set AllReporters = mbcAllReporters
End Property

Public Property Get FullName() As String
    FullName = mstrFullName
End Property

Friend Property Let FullName(ByVal Source As String)
    mstrFullName = Source
    mstrFullNameTrim = SuperTrim(Source)
End Property

Public Property Get FullNameTrim() As String
    FullNameTrim = mstrFullNameTrim
End Property

Public Property Get AbrvName() As String
    AbrvName = mstrAbrvName
End Property

Friend Property Let AbrvName(ByVal Source As String)
    mstrAbrvName = Source
    mstrAbrvNameTrim = SuperTrim(Source)
End Property

Public Property Get AbrvNameTrim() As String
    AbrvNameTrim = mstrAbrvNameTrim
End Property

Public Property Get CourtGroups() As Collection
    Set CourtGroups = mcolCourtGroups
End Property
```

```
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Option Explicit

Private mcolJurisdictions As Collection
Private mcolAllCourtGroups As Collection
Private mbcAllCourts As cCourts
Private mbcAllReporters As cReporters
Private mbcFuzzyCollection As cFuzzyCollection

Private Sub Class_Initialize()

    Set mcolJurisdictions = New Collection
    Set mcolAllCourtGroups = New Collection
    Set mbcAllCourts = New cCourts
    Set mbcAllReporters = New cReporters
    Set mbcFuzzyCollection = New cFuzzyCollection

    Call PopulateJurisdictions(Me)
    Call LoadReporters(Me)

    Debug.Print "Jurisdictions Initialize"

End Sub

Private Sub Class_Terminate()

    Debug.Print "Jurisdictions Terminate"

End Sub

Public Sub ScoreReset()

    Dim bcJurisdiction As cJurisdiction

    For Each bcJurisdiction In mcolJurisdictions
        bcJurisdiction.Score = 0
    Next bcJurisdiction

End Sub

Public Function ScoreBest() As cJurisdiction

    Dim bcJurisdiction As cJurisdiction
    Dim lngBestScore As Long

    For Each bcJurisdiction In mcolJurisdictions
        If bcJurisdiction.Score > lngBestScore Then
            Set ScoreBest = bcJurisdiction
            lngBestScore = bcJurisdiction.Score
        End If
    Next bcJurisdiction

End Function

Public Function ScoresBest(Optional MinimumScore As Long, Optional Deviance As Long) As Collection

    Dim bcJurisdiction As cJurisdiction
    Dim lngBestScore As Long
    Dim lngMinimum As Long


    For Each bcJurisdiction In mcolJurisdictions
        If bcJurisdiction.Score > lngBestScore Then lngBestScore = bcJurisdiction.Score
    Next bcJurisdiction

    lngMinimum = lngBestScore - Deviance
    If MinimumScore > 0 And lngMinimum < MinimumScore Then lngMinimum = MinimumScore

    Set ScoresBest = New Collection
    If lngBestScore >= lngMinimum Then
        For Each bcJurisdiction In mcolJurisdictions
            If bcJurisdiction.Score >= lngMinimum Then ScoresBest.Add bcJurisdiction
        Next bcJurisdiction
    End If

End Function

Public Property Get AllCourtGroups() As Collection
    Set AllCourtGroups = mcolAllCourtGroups
End Property

Public Property Get AllCourts() As cCourts
    Set AllCourts = mbcAllCourts
End Property

Public Property Get AllReporters() As cReporters
    Set AllReporters = mbcAllReporters
End Property

Friend Sub Add(Jurisdiction As cJurisdiction, Aliases As Variant)

    Dim varAlias As Variant
    Dim strAliasTrim As String


    With Jurisdiction
        mcolJurisdictions.Add Jurisdiction, .FullNameTrim
        mbcFuzzyCollection.Add Jurisdiction, .AbrvNameTrim
        If .AbrvNameTrim <> .FullNameTrim Then mbcFuzzyCollection.Add Jurisdiction, .FullNameTrim
    End With
```

```
    For Each varAlias In Aliases
        strAliasTrim = CStr(varAlias)                                   '-- Aliases should be supplied as trimmed.
        If Not (varAlias = SuperTrim(strAliasTrim)) Then Stop           '-- For debugging only. Delete later.
        mbcFuzzyCollection.Add Jurisdiction, strAliasTrim
    Next varAlias

End Sub

Friend Sub AddAlias(Jurisdiction As cJurisdiction, Alias As String)

    mbcFuzzyCollection.Add Jurisdiction, Alias

End Sub

Public Function ExactItem(FullName As String) As cJurisdiction

    Set ExactItem = Item(FullName, True, False)

End Function

Public Function Item(Key As String, MatchExactAlias As Boolean, MatchSimilarFuzzyCollection As Boolean, Optional KeyIsTrimmed As Boolean =
False) As cJurisdiction

    Dim strKeyTrim As String
    Dim colItems As Collection
    Dim bcReporter As cReporter


    If KeyIsTrimmed Then
        strKeyTrim = Key
    Else
        strKeyTrim = SuperTrim(Key)
    End If

    If MatchExactAlias Then Set Item = mbcFuzzyCollection.ExactItem(strKeyTrim)
    If Item Is Nothing And MatchSimilarFuzzyCollection = True Then
        Set colItems = mbcFuzzyCollection.SimilarItems(strKeyTrim)
        If colItems.Count > 0 Then Set Item = colItems(1)
    End If

End Function

Public Function Items(Key As String, MatchExactAlias As Boolean, MatchSimilarFuzzyCollection As Boolean, Optional KeyIsTrimmed As Boolean =
 False) As Collection

    Dim strKeyTrim As String
    Dim bcReporter As cReporter


    If KeyIsTrimmed Then
        strKeyTrim = Key
    Else
        strKeyTrim = SuperTrim(Key)
    End If

    If MatchExactAlias Then Set Items = mbcFuzzyCollection.ExactItems(strKeyTrim)
    If MatchSimilarFuzzyCollection = True Then
        If Items.Count = 0 Then
            Set Items = mbcFuzzyCollection.SimilarItems(strKeyTrim)
        End If
    End If

End Function

Public Function Index(Number As Integer) As cJurisdiction

    Set Index = mcolJurisdictions(Number)

End Function

Public Function Count() As Long

    Count = mcolJurisdictions.Count

End Function

Public Function NewEnum() As IUnknown

    Set NewEnum = mcolJurisdictions.[_NewEnum]

End Function

'Public Sub Initialize()
'
'    Dim bcJurisdiction As cJurisdiction
'    Dim bcCourtGroup As cCourtGroup
'
'
'    For Each bcJurisdiction In mcolJurisdictions
'        For Each bcCourtGroup In bcJurisdiction.CourtGroups
'            Call bcCourtGroup.Courts.FuzzyCollection.Initialize
'            Call bcCourtGroup.Reporters.FuzzyCollection.Initialize
'        Next bcCourtGroup
'    Next bcJurisdiction
'
'    Call mbcFuzzyCollection.Initialize
'    Call mbcAllCourts.FuzzyCollection.Initialize
'    Call mbcAllReporters.FuzzyCollection.Initialize
'
'End Sub
```

```
Public Sub Cleanup()

    Dim bcJurisdiction As cJurisdiction
    Dim bcCourtGroup As cCourtGroup
    Dim bcCourt As cCourt
    Dim bcReporter As cReporter

    Debug.Print "Jurisdictions Cleanup"

    For Each bcJurisdiction In mcolJurisdictions

        For Each bcCourtGroup In bcJurisdiction.CourtGroups
            Set bcCourtGroup.Parent = Nothing
            For Each bcReporter In bcCourtGroup.Reporters
                Set bcReporter.Parent = Nothing
            Next bcReporter
        Next bcCourtGroup

        For Each bcCourt In bcJurisdiction.Courts
            Set bcCourt.Parent = Nothing
        Next bcCourt

    Next bcJurisdiction

    Set mcolJurisdictions = Nothing
    Set mcolAllCourtGroups = Nothing
    Set mbcAllCourts = Nothing
    Set mbcAllReporters = Nothing

End Sub
```

```
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Option Explicit

Private mcolEditors As Collection
Private mlngKey As Long
Private mlngVolumeStart As Long
Private mlngVolumeEnd As Long
Private mlngYearStart As Long
Private mlngYearEnd As Long
Private mlngGroupCode As Long
Private mbolJurisdictionImplicit As Boolean
Private mstrFullName As String
Private mstrFullNameTrim As String
Private mstrAbrvName As String
Private mstrAbrvNameTrim As String
Private mbcMainReporter As cReporter
Private mlngMainReporterVolumeFirst As Long
Private mbcImplicitCourt As cCourt
Private mbcParent As cCourtGroup

Public Score As Long

Public Property Get Editors() As Collection
    Set Editors = mcolEditors
End Property

Friend Property Get Key() As String
    Key = "K" & mlngKey
End Property

Public Property Get MainReporter() As cReporter
    Set MainReporter = mbcMainReporter
End Property

Friend Property Set MainReporter(Source As cReporter)
    Set mbcMainReporter = Source
End Property

Public Property Get MainReporterVolumeFirst() As Long
    MainReporterVolumeFirst = mlngMainReporterVolumeFirst
End Property

Friend Property Let MainReporterVolumeFirst(Source As Long)
    mlngMainReporterVolumeFirst = Source
End Property

Public Function MainReporterVolumeLast() As Long
    If Not (mbcMainReporter Is Nothing) Then
        MainReporterVolumeLast = mlngMainReporterVolumeFirst + (mlngVolumeEnd - mlngVolumeStart)
    End If
End Function

Public Property Get VolumeStart() As Long
    VolumeStart = mlngVolumeStart
End Property

Friend Property Let VolumeStart(ByVal Source As Long)
    mlngVolumeStart = Source
End Property

Public Property Get VolumeEnd() As Long
    VolumeEnd = mlngVolumeEnd
End Property

Friend Property Let VolumeEnd(ByVal Source As Long)
    mlngVolumeEnd = Source
End Property

Public Property Get YearStart() As Long
    YearStart = mlngYearStart
End Property

Friend Property Let YearStart(ByVal Source As Long)
    mlngYearStart = Source
End Property

Public Property Get YearEnd() As Long
    YearEnd = mlngYearEnd
End Property

Friend Property Let YearEnd(ByVal Source As Long)
    mlngYearEnd = Source
End Property

Public Property Get GroupCode() As Long
    GroupCode = mlngGroupCode
End Property

Friend Property Let GroupCode(ByVal Source As Long)
    mlngGroupCode = Source
End Property

Public Property Get JurisdictionImplicit() As Boolean
    JurisdictionImplicit = mbolJurisdictionImplicit
End Property

Friend Property Let JurisdictionImplicit(ByVal Source As Boolean)
    mbolJurisdictionImplicit = Source
End Property
```

```
Public Property Get FullName() As String
    FullName = mstrFullName
End Property

Friend Property Let FullName(ByVal Source As String)
    mstrFullName = Source
    mstrFullNameTrim = SuperTrim(Source)
End Property

Public Property Get FullNameTrim() As String
    FullNameTrim = mstrFullNameTrim
End Property

Friend Property Let AbrvName(ByVal Source As String)
    mstrAbrvName = Source
    mstrAbrvNameTrim = SuperTrim(Source)
End Property

Public Property Get AbrvName() As String
    AbrvName = mstrAbrvName
End Property

Public Property Get AbrvNameTrim() As String
    AbrvNameTrim = mstrAbrvNameTrim
End Property

Public Function ImplicitJurisdiction() As cJurisdiction
    If mbolJurisdictionImplicit Then
        Set ImplicitJurisdiction = Me.Parent.Parent
    End If
End Function

Public Property Get ImplicitCourt() As cCourt
    Set ImplicitCourt = mbcImplicitCourt
End Property

Friend Property Set ImplicitCourt(Source As cCourt)
    Set mbcImplicitCourt = Source
End Property

Public Property Get Parent() As cCourtGroup
    Set Parent = mbcParent
End Property

Friend Property Set Parent(ByVal Source As cCourtGroup)
    Set mbcParent = Source
End Property
'
Public Function HasEditors() As Boolean
    If mcolEditors.Count > 0 Then HasEditors = True
End Function

Public Function IsEditorReporter() As Boolean
    If Not (mbcMainReporter Is Nothing) Then IsEditorReporter = True
End Function

Private Sub Class_Initialize()
    mlngKey = UniqueKey()
    Set mcolEditors = New Collection
'    ObjectsCount = ObjectsCount + 1
'    Debug.Print "Reporter created. Total: " & ObjectsCount
End Sub
'
'Private Sub Class_Terminate()
'    ObjectsCount = ObjectsCount - 1
'    Debug.Print "Reporter destroyed. Total: " & ObjectsCount
'End Sub
```

```
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Option Explicit

Private mcolReporters As Collection
Private mbcFuzzyCollection As cFuzzyCollection

Friend Property Get FuzzyCollection() As cFuzzyCollection
    Set FuzzyCollection = mbcFuzzyCollection
End Property

Private Sub Class_Initialize()

    Set mcolReporters = New Collection
    Set mbcFuzzyCollection = New cFuzzyCollection

End Sub

Public Sub ScoreReset()

    Dim bcReporter As cReporter

    For Each bcReporter In mcolReporters
        bcReporter.Score = 0
    Next bcReporter

End Sub

Public Function ScoreBest() As cReporter

    Dim bcReporter As cReporter
    Dim lngBestScore As Long

    For Each bcReporter In mcolReporters
        If bcReporter.Score > lngBestScore Then
            Set ScoreBest = bcReporter
            lngBestScore = bcReporter.Score
        End If
    Next bcReporter

End Function

Friend Sub Add(Reporter As cReporter, Optional After As cReporter)

    With Reporter
        If After Is Nothing Then
            mcolReporters.Add Reporter, CStr(.Key)
        Else
            mcolReporters.Add Reporter, CStr(.Key), After:=CStr(After.Key)
        End If
        mbcFuzzyCollection.Add Reporter, .AbrvNameTrim
    End With

End Sub

Friend Sub AddAlias(Reporter As cReporter, AliasTrim As String)

    mbcFuzzyCollection.Add Reporter, AliasTrim

End Sub

Public Function Item(Key As String, MatchExactAlias As Boolean, MatchSimilarAlias As Boolean, Optional ByRef KeyIsTrimmed As Boolean = Fals
e) As cReporter

    Dim strKeyTrim As String
    Dim colItems As Collection
    Dim bcReporter As cReporter


    If KeyIsTrimmed Then
        strKeyTrim = Key
    Else
        strKeyTrim = SuperTrim(Key)
    End If

    If MatchExactAlias = False And MatchSimilarAlias = False Then
        For Each bcReporter In mcolReporters
            If strKeyTrim = bcReporter.AbrvNameTrim Then
                Set Item = bcReporter
                Exit Function
            End If
        Next bcReporter
    Else
        If MatchExactAlias Then Set Item = mbcFuzzyCollection.ExactItem(strKeyTrim)
        If Item Is Nothing And MatchSimilarAlias Then
            Set colItems = mbcFuzzyCollection.SimilarItems(strKeyTrim)
            If colItems.Count > 0 Then Set Item = colItems(1)
        End If
    End If

End Function

Public Function Items(Key As String, MatchExactAlias As Boolean, MatchSimilarFuzzyCollection As Boolean, Optional ByRef KeyIsTrimmed As Boo
lean = False) As Collection

    Dim strKeyTrim As String
    Dim bcReporter As cReporter


    If KeyIsTrimmed Then
        strKeyTrim = Key
```

```
    Else
        strKeyTrim = SuperTrim(Key)
    End If

    If MatchExactAlias = True Then Set Items = mbcFuzzyCollection.ExactItems(strKeyTrim)
    If MatchSimilarFuzzyCollection = True Then
        If Items Is Nothing Then
            Set Items = mbcFuzzyCollection.SimilarItems(strKeyTrim)
        ElseIf Items.Count = 0 Then
            Set Items = mbcFuzzyCollection.SimilarItems(strKeyTrim)
        End If
    End If

End Function


Public Function Match(Reporter As cReporter) As cReporter

    Dim bcReporter As cReporter
    Dim strReporterAbvr As String


    strReporterAbvr = Reporter.AbrvName

    For Each bcReporter In mcolReporters
        If bcReporter.AbrvName = strReporterAbvr Then
            Set Match = bcReporter
            Exit Function
        End If
    Next bcReporter

End Function

Public Function Count() As Long
    Count = mcolReporters.Count
End Function

Public Function NewEnum() As IUnknown
    Set NewEnum = mcolReporters.[_NewEnum]
End Function
```

```
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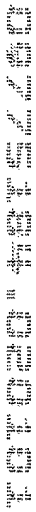
Option Explicit

Public gbcJurisdictions As New cJurisdictions
Private mlngUniqueKey As Long

Public Function UniqueKey() As Long

    mlngUniqueKey = mlngUniqueKey + 1
    UniqueKey = mlngUniqueKey

End Function
```



```
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Option Explicit

Public ObjectsCount As Long
Public Const bcMINIMUMYEAR = 1600
Public Const bcMAXIMUMYEAR = 2025

Public Sub LoadReporters(Jurisdictions As cJurisdictions)

    Call LoadIndividualReporters(Jurisdictions)
'    Call LoadLexisAndWestlawReporters(Jurisdictions)

End Sub

Private Sub LoadIndividualReporters(Jurisdictions As cJurisdictions)

    Dim lngFileNumber As Long
    Dim bcReporter As cReporter
    Dim strAbrvName As String
    Dim strFullName As String
    Dim strMainReporter As String
    Dim strJurisdiction As String
    Dim strCourtGroup As String
    Dim strVolumeStart As String
    Dim strVolumeEnd As String
    Dim strYearStart As String
    Dim strYearEnd As String
    Dim strGroupCode As String
    Dim strImplicitCourt As String
    Dim strMainReporterVolumeFirst As String
    Dim bcMainReporter As cReporter


    lngFileNumber = FreeFile
    Open "C:\BlueCheck\Data\Reporters.txt" For Input As lngFileNumber

    Do
        Line Input #lngFileNumber, strJurisdiction
        Line Input #lngFileNumber, strCourtGroup
        Line Input #lngFileNumber, strAbrvName
        Line Input #lngFileNumber, strFullName
        Line Input #lngFileNumber, strMainReporter
        Line Input #lngFileNumber, strVolumeStart
        Line Input #lngFileNumber, strVolumeEnd
        Line Input #lngFileNumber, strYearStart
        Line Input #lngFileNumber, strYearEnd
        Line Input #lngFileNumber, strGroupCode
        Line Input #lngFileNumber, strImplicitCourt
        Line Input #lngFileNumber, strMainReporter
        Line Input #lngFileNumber, strMainReporterVolumeFirst

        Set bcReporter = New cReporter
        With bcReporter
            .AbrvName = strAbrvName
            .FullName = strFullName
            .VolumeStart = Val(strVolumeStart)
            .VolumeEnd = Val(strVolumeEnd)
            .YearStart = Val(strYearStart)
            .YearEnd = Val(strYearEnd)
            .GroupCode = strGroupCode
            Set .Parent = Jurisdictions(strJurisdiction).CourtGroups(strCourtGroup)

            If strImplicitCourt <> "" Then
                Set .ImplicitCourt = .Parent.Parent.Courts.Item(strImplicitCourt, False, False)
                .JurisdictionImplicit = True
            ElseIf strJurisdiction = "Federal" Then
                .JurisdictionImplicit = True
            ElseIf InStr(bcReporter.AbrvNameTrim, .Parent.Parent.AbrvNameTrim) Then
                .JurisdictionImplicit = True
            End If

            If strMainReporter <> "" Then
                Set bcMainReporter = .Parent.Reporters(strMainReporter, False, False)
                Set .MainReporter = bcMainReporter
                bcMainReporter.Editors.Add bcReporter
            End If
            .MainReporterVolumeFirst = Val(strMainReporterVolumeFirst)

        End With

        bcReporter.Parent.Reporters.Add bcReporter
        bcReporter.Parent.Reporters.AddAlias bcReporter, bcReporter.FullNameTrim
        bcReporter.Parent.Parent.AllReporters.Add bcReporter
        bcReporter.Parent.Parent.AllReporters.AddAlias bcReporter, bcReporter.FullNameTrim
        Jurisdictions.AllReporters.Add bcReporter
        Jurisdictions.AllReporters.AddAlias bcReporter, bcReporter.FullNameTrim

        ' DoEvents

    Loop Until EOF(lngFileNumber)
    Close lngFileNumber

End Sub

Private Sub LoadLexisAndWestlawReporters(Jurisdictions As cJurisdictions)

    Dim bcJurisdiction As cJurisdiction
    Dim bcCourtGroup As cCourtGroup
    Dim bcReporter As cReporter
```

```
    For Each bcJurisdiction In Jurisdictions
        For Each bcCourtGroup In bcJurisdiction.CourtGroups

            Set bcReporter = New cReporter
            With bcReporter
                .AbrvName = "WL"
                .FullName = "Westlaw"
                .VolumeStart = bcMINIMUMYEAR
                .VolumeEnd = bcMAXIMUMYEAR
                .YearStart = bcMINIMUMYEAR
                .YearEnd = bcMAXIMUMYEAR
'                .GroupCode = strGroupCode
                Set .Parent = bcCourtGroup
            End With
            bcCourtGroup.Reporters.Add bcReporter

        Next bcCourtGroup
    Next bcJurisdiction

    Set bcReporter = New cReporter
    With bcReporter
        .AbrvName = "WL"
        .FullName = "Westlaw"
        .VolumeStart = bcMINIMUMYEAR
        .VolumeEnd = bcMAXIMUMYEAR
        .YearStart = bcMINIMUMYEAR
        .YearEnd = bcMAXIMUMYEAR
'        .GroupCode = strGroupCode
        Set .Parent = bcCourtGroup
    End With
    Jurisdictions.AllReporters.Add bcReporter

End Sub
```

```
Option Explicit

Private mbcJurisdictions As cJurisdictions

Public Sub PopulateJurisdictions(Jurisdictions As cJurisdictions)

    Set mbcJurisdictions = Jurisdictions

    Call AddFederal
    Call AddFederalOldCircuitCourts
    Call AddAla
    Call AddAlaska
    Call AddAriz
    Call AddArk
    Call AddCal
    Call AddColo
    Call AddConn
    Call AddDel
    Call AddDC
    Call AddFla
    Call AddGa
    Call AddHaw
    Call AddIdaho
    Call AddIll
    Call AddInd
    Call AddIowa
    Call AddKan
    Call AddKy
    Call AddLa
    Call AddMe
    Call AddMd
    Call AddMass
    Call AddMich
    Call AddMinn
    Call AddMiss
    Call AddMo
    Call AddMont
    Call AddNeb
    Call AddNev
    Call AddNH
    Call AddNJ
    Call AddNM
    Call AddNY
    Call AddNC
    Call AddND
    Call AddOhio
    Call AddOkla
    Call AddOr
    Call AddPa
    Call AddRI
    Call AddSC
    Call AddSD
    Call AddTenn
    Call AddTex
    Call AddUtah
    Call AddVt
    Call AddVa
    Call AddWash
    Call AddWVa
    Call AddWis
    Call AddWyo
    Call AddAmSamoa
    Call AddCZ
    Call AddGuam
    Call AddNavajo
    Call AddNMarI
    Call AddPR
    Call AddVI

    Set mbcJurisdictions = Nothing

End Sub

Private Sub AddFederal()

    Dim NewJur As cJurisdiction
    Dim NewCourtGroup As cCourtGroup
    Dim NewCourt As cCourt
    Dim objJurisdiction As cJurisdiction
    Dim strJurName As String


    Set NewJur = AddJurisdiction("Federal", "Fed.", "us")

    Set NewCourtGroup = AddCourtGroup(NewJur, "Supreme Court")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Supreme Court", "", 1790, 0, True, "suprct", "supct", "sct")
    NewCourtGroup.NonParallelReporters.Add 1
    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 3
    NewCourtGroup.NonParallelReporters.Add 4

    Set NewCourtGroup = AddCourtGroup(NewJur, "Circuit Justices")
    Set NewCourt = AddCourt(NewCourtGroup, "Circuit Justice", "Circuit Justice", 1790, 0, True)
    NewCourtGroup.NonParallelReporters.Add 1
    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 3
    NewCourtGroup.NonParallelReporters.Add 4

    Set NewCourtGroup = AddCourtGroup(NewJur, "Courts of Appeals")
```

```
    Set NewCourt = AddCourt(NewCourtGroup, "Court of Appeals for the First Circuit", "1st Cir.", 1891, 0, True, "1cir", "cca1st", "cca1", "
ca1", "ca1st", "cir1", "firstcir")
    Set NewCourt = AddCourt(NewCourtGroup, "Court of Appeals for the Second Circuit", "2d Cir.", 1891, 0, True, "2cir", "cca2d", "cca2", "c
a2", "ca2d", "cir2", "secondcir", "2ndcir", "cca2nd", "ca2nd")
    Set NewCourt = AddCourt(NewCourtGroup, "Court of Appeals for the Third Circuit", "3d Cir.", 1891, 0, True, "3cir", "cca3d", "cca3", "ca
3", "ca3d", "cir3", "thirdcir", "3rdcir", "cca3rd", "ca3rd")
    Set NewCourt = AddCourt(NewCourtGroup, "Court of Appeals for the Fourth Circuit", "4th Cir.", 1891, 0, True, "4cir", "cca4th", "cca4",
"ca4", "ca4th", "cir4", "fourthcir")
    Set NewCourt = AddCourt(NewCourtGroup, "Court of Appeals for the Fifth Circuit", "5th Cir.", 1891, 0, True, "5cir", "cca5th", "cca5", "
ca5", "ca5th", "cir5", "fifthcir")
    Set NewCourt = AddCourt(NewCourtGroup, "Court of Appeals for the Sixth Circuit", "6th Cir.", 1891, 0, True, "6cir", "cca6th", "cca6", "
ca6", "ca6th", "cir6", "sixthcir")
    Set NewCourt = AddCourt(NewCourtGroup, "Court of Appeals for the Seventh Circuit", "7th Cir.", 1891, 0, True, "7cir", "cca7th", "cca7",
 "ca7", "ca7th", "cir7", "seventhcir")
    Set NewCourt = AddCourt(NewCourtGroup, "Court of Appeals for the Eighth Circuit", "8th Cir.", 1891, 0, True, "8cir", "cca8th", "cca8",
"ca8", "ca8th", "cir8", "eighthcir")
    Set NewCourt = AddCourt(NewCourtGroup, "Court of Appeals for the Ninth Circuit", "9th Cir.", 1891, 0, True, "9cir", "cca9th", "cca9", "
ca9", "ca9th", "cir9", "ninthcir")
    Set NewCourt = AddCourt(NewCourtGroup, "Court of Appeals for the Tenth Circuit", "10th Cir.", 1891, 0, True, "10cir", "cca10th", "cca10
", "ca10", "ca10th", "cir10", "tenthcir")
    Set NewCourt = AddCourt(NewCourtGroup, "Court of Appeals for the Eleventh Circuit", "11th Cir.", 1891, 0, True, "11cir", "cca11th", "cc
a11", "ca11", "ca11th", "cir11", "eleventhcir")
    Set NewCourt = AddCourt(NewCourtGroup, "Court of Appeals for the District of Columbia Circuit", "D.C. Cir.", 1919, 0, True, "ccadc", "c
ircdc", "cadc", "districtofcolumbiacir")

    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "Temporary Emergency Court of Appeals")
    Set NewCourt = AddCourt(NewCourtGroup, "Temporary Emergency Court of Appeals", "Temp. Emer. Ct. App.", 1971, 1993, True, "tempemerappct
")
    Set NewCourt = AddCourt(NewCourtGroup, "Emergency Court of Appeals", "Emer. Ct. App.", 1942, 1961, True, "emerappct")
    Set NewCourt = AddCourt(NewCourtGroup, "Commerce Court", "Comm. Ct.", 1910, 1913, True)
    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "United States Court of Appeals for the Federal Circuit")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Court of Appeals for the Federal Circuit", "Fed. Cir.", 1982, 0, True)
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Court of Customs and Patent Appeals", "C.C.P.A.", 1929, 1982, True)
    Set NewCourt = AddCourt(NewCourtGroup, "Court of Customs Appeals", "Ct. Cust. App.", 1910, 1929, True)
    Set NewCourt = AddCourt(NewCourtGroup, "Court of Claims", "Ct. Cl.", 1956, 1982, False)
    NewCourtGroup.NonParallelReporters.Add 1
    NewCourtGroup.NonParallelReporters.Add 2

    Set NewCourtGroup = AddCourtGroup(NewJur, "United States Court of Federal Claims")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Court of Federal Claims", "Fed. Cl.", 1992, 0, True)
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Claims Court", "Cl. Ct.", 1982, 1992, True)
    Set NewCourt = AddCourt(NewCourtGroup, "Court of Claims", "Ct. Cl.", 1863, 1982, True)
    NewCourtGroup.NonParallelReporters.Add 1
    NewCourtGroup.NonParallelReporters.Add 2

    Set NewCourtGroup = AddCourtGroup(NewJur, "United States Court of International Trade")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Court of International Trade", "Ct. Int'l Trade", 1980, 0, True)
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Customs Court", "Cust. Ct.", 1926, 1980, True)
    NewCourtGroup.NonParallelReporters.Add 1
    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 3
    NewCourtGroup.NonParallelReporters.Add 4

    Set NewCourtGroup = AddCourtGroup(NewJur, "District Courts")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, Northern District of Alabama", "N.D. Ala.", 1880, 0, True, "ndal", "ndalab
ama")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, Middle District of Alabama", "M.D. Ala.", 1880, 0, True, "mdal", "mdalabam
a")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, Southern District of Alabama", "S.D. Ala.", 1880, 0, True, "sdal", "sdalab
ama")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, District of Alaska", "D. Alaska", 1880, 0, True, "dal")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, District of Arizona", "D. Ariz.", 1880, 0, True, "daz", "darizona")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, Eastern District of Arkansas", "E.D. Ark.", 1880, 0, True, "edak", "edarka
nsas")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, Western District of Arkansas", "W.D. Ark.", 1880, 0, True, "wdak", "wdarka
nsas")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, Northern District of California", "N.D. Cal.", 1880, 0, True, "ndca", "ndc
alifornia")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, Eastern District of California", "E.D. Cal.", 1880, 0, True, "edca", "edca
lifornia")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, Central District of California", "C.D. Cal.", 1880, 0, True, "cdca", "cdca
lifornia")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, Southern District of California", "S.D. Cal.", 1880, 0, True, "sdca", "sdc
alifornia")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, District of Colorado", "D. Colo.", 1880, 0, True, "dco", "dcolorado")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, District of Connecticut", "D. Conn.", 1880, 0, True, "dct", "dconnecticut"
)
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, District of Delaware", "D. Del.", 1880, 0, True, "dde", "ddelaware")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, District of District of Columbia", "D.D.C.", 1880, 0, True, "ddistrictofco
lumbia")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, Northern District of Florida", "N.D. Fla.", 1880, 0, True, "ndfl", "ndflor
ida")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, Middle District of Florida", "M.D. Fla.", 1880, 0, True, "mdfl", "mdfloria
a")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, Southern District of Florida", "S.D. Fla.", 1880, 0, True, "sdfl", "sdflor
ida")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, Northern District of Georgia", "N.D. Ga.", 1880, 0, True, "ndgeorgia")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, Middle District of Georgia", "M.D. Ga.", 1880, 0, True, "mdgeorgia")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, Southern District of Georgia", "S.D. Ga.", 1880, 0, True, "sdgeorgia")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, District of Hawaii", "D. Haw.", 1880, 0, True, "dhi", "dhawaii")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, District of Idaho", "D. Idaho", 1880, 0, True, "did", "didaho")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, Northern District of Illinois", "N.D. Ill.", 1880, 0, True, "ndil", "ndill
inois")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, Central District of Illinois", "C.D. Ill.", 1880, 0, True, "cdil", "cdilli
nois")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, Southern District of Illinois", "S.D. Ill.", 1880, 0, True, "sdil", "sdill
inois")
```

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    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, Northern District of Indiana", "N.D. Ind.", 1880, 0, True, "ndin", "ndindi
ana")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, Southern District of Indiana", "S.D. Ind.", 1880, 0, True, "sdin", "sdindi
ana")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, Northern District of Iowa", "N.D. Iowa", 1880, 0, True, "ndia")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, Southern District of Iowa", "S.D. Iowa", 1880, 0, True, "sdia")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, District of Kansas", "D. Kan.", 1880, 0, True, "dks", "dkansas")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, Eastern District of Kentucky", "E.D. Ky.", 1880, 0, True, "edkentucky")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, Western District of Kentucky", "W.D. Ky.", 1880, 0, True, "wdkentucky")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, Eastern District of Louisiana", "E.D. La.", 1880, 0, True, "edlouisiana")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, Middle District of Louisiana", "M.D. La.", 1880, 0, True, "mdlouisiana")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, Western District of Louisiana", "W.D. La.", 1880, 0, True, "wdlouisiana")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, District of Maine", "D. Me.", 1880, 0, True, "dmaine")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, District of Maryland", "D. Md.", 1880, 0, True, "dmaryland")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, District of Massachusetts", "D. Mass.", 1880, 0, True, "dma", "dmassachuse
tts")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, Eastern District of Michigan", "E.D. Mich.", 1880, 0, True, "edmi", "edmic
higan")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, Western District of Michigan", "W.D. Mich.", 1880, 0, True, "wdmi", "wdmic
higan")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, District of Minnesota", "D. Minn.", 1880, 0, True, "dmn", "dminnesota")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, Northern District of Mississippi", "N.D. Miss.", 1880, 0, True, "ndmi", "n
dmississippi")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, Southern District of Mississippi", "S.D. Miss.", 1880, 0, True, "sdmi", "s
dmississippi")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, Eastern District of Missouri", "E.D. Mo.", 1880, 0, True, "edmissouri")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, Western District of Missouri", "W.D. Mo.", 1880, 0, True, "wdmissouri")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, District of Montana", "D. Mont.", 1880, 0, True, "dmt", "dmontana")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, District of Nebraska", "D. Neb.", 1880, 0, True, "dne", "dnebraska")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, District of Nevada", "D. Nev.", 1880, 0, True, "dnv", "dnevada")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, District of New Hampshire", "D.N.H.", 1880, 0, True, "dnewhampshire")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, District of New Jersey", "D.N.J.", 1880, 0, True, "dnewjersey")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, District of New Mexico", "D.N.M.", 1880, 0, True, "dnewmexico")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, Northern District of New York", "N.D.N.Y.", 1880, 0, True, "ndnewyork")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, Southern District of New York", "S.D.N.Y.", 1880, 0, True, "sdnewyork")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, Eastern District of New York", "E.D.N.Y.", 1880, 0, True, "ednewyork")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, Western District of New York", "W.D.N.Y.", 1880, 0, True, "wdnewyork")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, Eastern District of North Carolina", "E.D.N.C.", 1880, 0, True, "ednorthca
rolina")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, Western District of North Carolina", "W.D.N.C.", 1880, 0, True, "wdnorthca
rolina")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, Middle District of North Carolina", "M.D.N.C.", 1880, 0, True, "mdnorthcar
olian")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, District of North Dakota", "D.N.D.", 1880, 0, True, "dnorthdakota")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, Northern District of Ohio", "N.D. Ohio", 1880, 0, True, "ndoh")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, Southern District of Ohio", "S.D. Ohio", 1880, 0, True, "sdoh")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, Northern District of Oklahoma", "N.D. Okla.", 1880, 0, True, "ndok", "ndok
lahoma")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, Eastern District of Oklahoma", "E.D. Okla.", 1880, 0, True, "edok", "edokl
ahoma")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, Western District of Oklahoma", "W.D. Okla.", 1880, 0, True, "wdok", "wdokl
ahoma")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, District of Oregon", "D. Or.", 1880, 0, True, "doregon")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, Eastern District of Pennsylvania", "E.D. Pa.", 1880, 0, True, "edpennsylva
nia")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, Middle District of Pennsylvania", "M.D. Pa.", 1880, 0, True, "mdpennsylvan
ia")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, Western District of Pennsylvania", "W.D. Pa.", 1880, 0, True, "wdpennsylva
nia")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, District of Rhode Island", "D.R.I.", 1880, 0, True, "drhodeisland")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, District of South Carolina", "D.S.C.", 1880, 0, True, "dsouthcarolina")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, District of South Dakota", "D.S.D.", 1880, 0, True, "dsouthdakota")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, Eastern District of Tennessee", "E.D. Tenn.", 1880, 0, True, "edtn", "edte
nnessee")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, Middle District of Tennessee", "M.D. Tenn.", 1880, 0, True, "mdtn", "mdten
nessee")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, Western District of Tennessee", "W.D. Tenn.", 1880, 0, True, "wdtn", "wdte
nnessee")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, Northen District of Texas", "N.D. Tex.", 1880, 0, True, "ndtx", "ndtexas")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, Eastern District of Texas", "E.D. Tex.", 1880, 0, True, "edtx", "edtexas")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, Souther District of Texas", "S.D. Tex.", 1880, 0, True, "sdtx", "sdtexas")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, Western District of Texas", "W.D. Tex.", 1880, 0, True, "wdtx", "wdtexas")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, District of Utah", "D. Utah", 1880, 0, True, "dut", "dutah")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, District of Vermont", "D. Vt.", 1880, 0, True, "dvermont")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, Eastern District of Virginia", "E.D. Va.", 1880, 0, True, "edvirginia")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, Western District of Virginia", "W.D. Va.", 1880, 0, True, "wdvirginia")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, Eastern District of Washington", "E.D. Wash.", 1880, 0, True, "edwa", "edw
n", "edwashington")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, Western District of Washington", "W.D. Wash.", 1880, 0, True, "wdwa", "wdw
n", "wdwashington")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, Northern District of West Virginia", "N.D.W. Va.", 1880, 0, True, "ndwv",
"ndwestvirginia")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, Southern District of West Virginia", "S.D.W. Va.", 1880, 0, True, "sdwv",
"sdwestvirginia")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, Eastern District of Wisconsin", "E.D. Wis.", 1880, 0, True, "edwi", "edwis
consin")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, Western District of Wisconsin", "W.D. Wis.", 1880, 0, True, "wdwi", "wdwis
consin")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court, District of Wyoming", "D. Wyo.", 1880, 0, True, "dwy", "dwyoming")
    NewCourtGroup.NonParallelReporters.Add 1
    NewCourtGroup.NonParallelReporters.Add 2

    Set NewCourtGroup = AddCourtGroup(mbcJurisdictions("Federal"), "Bankruptcy Courts")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, Northern District of Alabama", "Bankr. N.D. Ala.", 1979, 0, True, "bankr
ndalabama", "bnkrndala", "bankrndal", "bnkrndal")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, Middle District of Alabama", "Bankr. M.D. Ala.", 1979, 0, True, "bankrmd
alabama", "bnkrmdala", "bankrmdal", "bnkrmdal")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, Southern District of Alabama", "Bankr. S.D. Ala.", 1979, 0, True, "bankr
sdalabama", "bnkrsdala", "bankrsdal", "bnkrsdal")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, District of Alaska", "Bankr. D. Alaska", 1979, 0, True, "bnkrdalaska", "
bankrdal", "bnkrdal")
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    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, District of Arizona", "Bankr. D. Ariz.", 1979, 0, True, "bnkrdariz", "ba
nkrdaz", "bnkrdaz")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, Eastern District of Arkansas", "Bankr. E.D. Ark.", 1979, 0, True, "bankr
edarkansas", "bnkredark", "bankredak", "bnkredak")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, Western District of Arkansas", "Bankr. W.D. Ark.", 1979, 0, True, "bankr
wdarkansas", "bnkrwdark", "bankrwdak", "bnkrwdak")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, Northern District of California", "Bankr. N.D. Cal.", 1979, 0, True, "ba
nkrndcalifornia", "bnkrndcal", "bankrndca", "bnkrndca")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, Eastern District of California", "Bankr. E.D. Cal.", 1979, 0, True, "ban
kredcalifornia", "bnkredcal", "bankredca", "bnkredca")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, Central District of California", "Bankr. C.D. Cal.", 1979, 0, True, "ban
krcdcalifornia", "bnkrcdcal", "bankrcdca", "bnkrcdca")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, Southern District of California", "Bankr. S.D. Cal.", 1979, 0, True, "ba
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    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, District of Colorado", "Bankr. D. Colo.", 1979, 0, True, "bankrdcolorado
", "bnkrdcolo", "bankrdco", "bnkrdco")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, District of Connecticut", "Bankr. D. Conn.", 1979, 0, True, "bankrdconne
cticut", "bnkrdconn", "bankrdct", "bnkrdct")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, District of Delaware", "Bankr. D. Del.", 1979, 0, True, "bankrddelaware"
, "bnkrddel", "bankrdde", "bnkrdde")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, District of District of Columbia", "Bankr. D.D.C.", 1979, 0, True, "bank
rddistrictofcolumbia", "bnkrddc")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, Northern District of Florida", "Bankr. N.D. Fla.", 1979, 0, True, "bankr
ndflorida", "bnkrndfla", "bankrndfl", "bnkrndfl")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, Middle District of Florida", "Bankr. M.D. Fla.", 1979, 0, True, "bankrmd
florida", "bnkrmdfla", "bankrmdfl", "bnkrmdfl")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, Southern District of Florida", "Bankr. S.D. Fla.", 1979, 0, True, "bankr
sdflorida", "bnkrsdfla", "bankrsdfl", "bnkrsdfl")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, Northern District of Georgia", "Bankr. N.D. Ga.", 1979, 0, True, "bankrn
dgeorgia", "bnkrndga")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, Middle District of Georgia", "Bankr. M.D. Ga.", 1979, 0, True, "bankrmdg
eorgia", "bnkrmdga")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, Southern District of Georgia", "Bankr. S.D. Ga.", 1979, 0, True, "bankrs
dgeorgia", "bnkrsdga")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, District of Hawaii", "Bankr. D. Haw.", 1979, 0, True, "bankrdhawaii", "b
nkrdhaw", "bankrdhi", "bnkrdhi")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, District of Idaho", "Bankr. D. Idaho", 1979, 0, True, "bnkrdidaho", "ban
krdid", "bnkrdid")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, Northern District of Illinois", "Bankr. N.D. Ill.", 1979, 0, True, "bank
rndillinois", "bnkrndill", "bankrndil", "bnkrndil")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, Central District of Illinois", "Bankr. C.D. Ill.", 1979, 0, True, "bankr
cdillinois", "bnkrcdill", "bankrcdil", "bnkrcdil")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, Southern District of Illinois", "Bankr. S.D. Ill.", 1979, 0, True, "bank
rsdillinois", "bnkrsdill", "bankrsdil", "bnkrsdil")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, Northern District of Indiana", "Bankr. N.D. Ind.", 1979, 0, True, "bankr
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    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, Southern District of Indiana", "Bankr. S.D. Ind.", 1979, 0, True, "bankr
sdindiana", "bnkrsdind", "bankrsdin", "bnkrsdin")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, Northern District of Iowa", "Bankr. N.D. Iowa", 1979, 0, True, "bnkrndio
wa", "bankrndia", "bnkrndia")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, Southern District of Iowa", "Bankr. S.D. Iowa", 1979, 0, True, "bnkrsdio
wa", "bankrsdia", "bnkrsdia")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, District of Kansas", "Bankr. D. Kan.", 1979, 0, True, "bankrdkansas", "b
nkrdkan", "bankrdks", "bnkrdks")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, Eastern District of Kentucky", "Bankr. E.D. Ky.", 1979, 0, True, "bankre
dkentucky", "bnkredky")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, Western District of Kentucky", "Bankr. W.D. Ky.", 1979, 0, True, "bankrw
dkentucky", "bnkrwdky")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, Eastern District of Louisiana", "Bankr. E.D. La.", 1979, 0, True, "bankr
edlouisiana", "bnkredla")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, Middle District of Louisiana", "Bankr. M.D. La.", 1979, 0, True, "bankrm
dlouisiana", "bnkrmdla")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, Western District of Louisiana", "Bankr. W.D. La.", 1979, 0, True, "bankr
wdlouisiana", "bnkrwdla")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, District of Maine", "Bankr. D. Me.", 1979, 0, True, "bankrdmaine", "bnkr
dme")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, District of Maryland", "Bankr. D. Md.", 1979, 0, True, "bankrdmaryland",
 "bnkrdmd")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, District of Massachusetts", "Bankr. D. Mass.", 1979, 0, True, "bankrdmas
sachusetts", "bnkrdmass", "bankrdma", "bnkrdma")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, Eastern District of Michigan", "Bankr. E.D. Mich.", 1979, 0, True, "bank
redmichigan", "bnkredmich", "bankredmi", "bnkredmi")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, Western District of Michigan", "Bankr. W.D. Mich.", 1979, 0, True, "bank
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    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, District of Minnesota", "Bankr. D. Minn.", 1979, 0, True, "bankrdminneso
ta", "bnkrdminn", "bankrdmn", "bnkrdmn")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, Northern District of Mississippi", "Bankr. N.D. Miss.", 1979, 0, True, "
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    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, Southern District of Mississippi", "Bankr. S.D. Miss.", 1979, 0, True, "
bankrsdmississippi", "bnkrsdmiss", "bankrsdmi", "bnkrsdmi")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, Eastern District of Missouri", "Bankr. E.D. Mo.", 1979, 0, True, "bankre
dmissouri", "bnkredmo")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, Western District of Missouri", "Bankr. W.D. Mo.", 1979, 0, True, "bankrw
dmissouri", "bnkrwdmo")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, District of Montana", "Bankr. D. Mont.", 1979, 0, True, "bankrdmontana",
 "bankrdmt", "bnkrdmont")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, District of Nebraska", "Bankr. D. Neb.", 1979, 0, True, "bankrdnebraska"
, "bankrdne", "bnkrdneb")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, District of Nevada", "Bankr. D. Nev.", 1979, 0, True, "bankrdnevada", "b
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    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, District of New Hampshire", "Bankr. D.N.H.", 1979, 0, True, "bankrdnewha
mpshire", "bnkrdnh")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, District of New Jersey", "Bankr. D.N.J.", 1979, 0, True, "bankrdnewjerse
y", "bnkrdnj")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, District of New Mexico", "Bankr. D.N.M.", 1979, 0, True, "bankrdnewmexic
o", "bnkrdnm")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, Northern District of New York", "Bankr. N.D.N.Y.", 1979, 0, True, "bankr
ndnewyork", "bnkrndny")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, Southern District of New York", "Bankr. S.D.N.Y.", 1979, 0, True, "bankr
sdnewyork", "bnkrsdny")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, Eastern District of New York", "Bankr. E.D.N.Y.", 1979, 0, True, "bankre
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dnewyork", "bnkredny")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, Western District of New York", "Bankr. W.D.N.Y.", 1979, 0, True, "bankrw
dnewyork", "bnkrwdny")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, Eastern District of North Carolina", "Bankr. E.D.N.C.", 1979, 0, True, "
bankrednorthcarolina", "bnkrednc")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, Western District of North Carolina", "Bankr. W.D.N.C.", 1979, 0, True, "
bankrwdnorthcarolina", "bnkrwdnc")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, Middle District of North Carolina", "Bankr. M.D.N.C.", 1979, 0, True, "b
ankrmdnorthcarolina", "bnkrmdnc")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, District of North Dakota", "Bankr. D.N.D.", 1979, 0, True, "bankrdnorthd
akota", "bnkrdnd")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, Northern District of Ohio", "Bankr. N.D. Ohio", 1979, 0, True, "bnkrndoh
io", "bankrndoh", "bnkrndoh")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, Southern District of Ohio", "Bankr. S.D. Ohio", 1979, 0, True, "bnkrsdoh
io", "bankrsdoh", "bnkrsdoh")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, Northern District of Oklahoma", "Bankr. N.D. Okla.", 1979, 0, True, "ban
krndoklahoma", "bnkrndokla", "bankrndok", "bnkrndok")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, Eastern District of Oklahoma", "Bankr. E.D. Okla.", 1979, 0, True, "bank
redoklahoma", "bnkredokla", "bankredok", "bnkredok")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, Western District of Oklahoma", "Bankr. W.D. Okla.", 1979, 0, True, "bank
rwdoklahoma", "bnkrwdokla", "bankrwdok", "bnkrwdok")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, District of Oregon", "Bankr. D. Or.", 1979, 0, True, "bankrdoregon", "bn
krdor")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, Eastern District of Pennsylvania", "Bankr. E.D. Pa.", 1979, 0, True, "ba
nkredpennsylvania", "bnkredpa")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, Middle District of Pennsylvania", "Bankr. M.D. Pa.", 1979, 0, True, "ban
krmdpennsylvania", "bnkrmdpa")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, Western District of Pennsylvania", "Bankr. W.D. Pa.", 1979, 0, True, "ba
nkrwdpennsylvania", "bnkrwdpa")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, District of Rhode Island", "Bankr. D.R.I.", 1979, 0, True, "bankrdrhodei
sland", "bnkrdri")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, District of South Carolina", "Bankr. D.S.C.", 1979, 0, True, "bankrdsout
hcarolina", "bnkrdsc")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, District of South Dakota", "Bankr. D.S.D.", 1979, 0, True, "bankrsouthda
kota", "bnkrdsd")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, Eastern District of Tennessee", "Bankr. E.D. Tenn.", 1979, 0, True, "ban
kredtennessee", "bnkredtenn", "bankredtn", "bnkredtn")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, Middle District of Tennessee", "Bankr. M.D. Tenn.", 1979, 0, True, "bank
rwdtennessee", "bnkrmdtenn", "bankrmdtn", "bnkrmdtn")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, Western District of Tennessee", "Bankr. W.D. Tenn.", 1979, 0, True, "ban
krwdtennessee", "bnkrwdtenn", "bankrwdtn", "bnkrwdtn")
    Set NewCourt = AddCourt(NewCourtGroup, "U S. Bankruptcy Court, Northen District of Texas", "Bankr. N.D. Tex.", 1979, 0, True, "bankrndt
exas", "bnkrndtex", "bankrndtx", "bnkrndtx")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, Eastern District of Texas", "Bankr. E.D. Tex.", 1979, 0, True, "bankredt
exas", "bnkredtex", "bankredtx", "bnkredtx")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, Souther District of Texas", "Bankr. S.D. Tex.", 1979, 0, True, "bankrsdt
exas", "bnkrsdtex", "bankrsdtx", "bnkrsdtx")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, Western District of Texas", "Bankr. W.D. Tex.", 1979, 0, True, "bankrwdt
exas", "bnkrwdtex", "bankrwdtx", "bnkrwdtx")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, District of Utah", "Bankr. D. Utah", 1979, 0, True, "bnkrdutah", "bankrd
ut", "bnkrdut")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, District of Vermont", "Bankr. D. Vt.", 1979, 0, True, "bankrdvermont", "
bnkrdvt")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, Eastern District of Virginia", "Bankr. E.D. Va.", 1979, 0, True, "bankre
dvirginia", "bnkredva")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, Western District of Virginia", "Bankr. W.D. Va.", 1979, 0, True, "bankrw
dvirginia", "bnkrwdva")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, Eastern District of Washington", "Bankr. E.D. Wash.", 1979, 0, True, "ba
nkredwashington", "bnkredwash", "bankredwa", "bankredwn", "bnkredwn")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, Western District of Washington", "Bankr. W.D. Wash.", 1979, 0, True, "ba
nkrwdwashington", "bnkrwdwash", "bankrwdwa", "bankrwdwn", "bnkrwdwn")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, Northern District of West Virginia", "Bankr. N.D.W. Va.", 1979, 0, True,
 "bankrndwestvirginia", "bnkrndwva", "bankrndwv", "bnkrndwv")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, Southern District of West Virginia", "Bankr. S.D.W. Va.", 1979, 0, True,
 "bankrsdwestvirginia", "bnkrsdwva", "bankrsdwv", "bnkrsdwv")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, Eastern District of Wisconsin", "Bankr. E.D. Wis.", 1979, 0, True, "bank
redwisconsin", "bnkredwis", "bankredwi", "bnkredwi")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, Western District of Wisconsin", "Bankr. W.D. Wis.", 1979, 0, True, "bank
rwdwisconsin", "bnkrwdwis", "bankrwdwi", "bnkrwdwi")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Bankruptcy Court, District of Wyoming", "Bankr. D. Wyo.", 1979, 0, True, "dwyoming", "bnkr
dwyo", "bankrdwy", "bnkrdwy")
    Set NewCourt = AddCourt(NewCourtGroup, "Bankruptcy Appellate Panel for the First Circuit", "B.A.P. 1st Cir.", 1979, 0, True, "bankrappp
1stcir", "bnkrappp1stcir", "bankr1stcir", "bnkr1stcir", "bap1cir", "bapcca1st", "bapcca1", "bapca1", "bapca1st", "bapcir1", "bapfirstcir")
    Set NewCourt = AddCourt(NewCourtGroup, "Bankruptcy Appellate Panel for the Second Circuit", "B.A.P. 2d Cir.", 1979, 0, True, "bankrappp
2dcir", "bnkrappp2dcir", "bankr2dcir", "bnkr2dcir", "bankrapp2ndcir", "bap2cir", "bapcca2d", "bapcca2", "bapca2", "bapca2d", "bapcir2", "ba
psecondcir", "bap2ndcir", "bapcca2nd", "bapca2nd")
    Set NewCourt = AddCourt(NewCourtGroup, "Bankruptcy Appellate Panel for the Third Circuit", "B.A.P. 3d Cir.", 1979, 0, True, "bankrappp3
dcir", "bnkrappp3dcir", "bankr3dcir", "bnkr3dcir", "bankrapp3rdcir", "bap3cir", "bapcca3d", "bapcca3", "bapca3", "bapca3d", "bapcir3", "bap
thirdcir", "bap3rdcir", "bapcca3rd", "bapca3rd")
    Set NewCourt = AddCourt(NewCourtGroup, "Bankruptcy Appellate Panel for the Fourth Circuit", "B.A.P. 4th Cir.", 1979, 0, True, "bankrapp
p4thcir", "bnkrappp4thcir", "bankr4thcir", "bnkr4thcir", "bap4cir", "bapcca4th", "bapcca4", "bapca4", "bapca4th", "bapcir4", "bapfourthcir"
)
    Set NewCourt = AddCourt(NewCourtGroup, "Bankruptcy Appellate Panel for the Fifth Circuit", "B.A.P. 5th Cir.", 1979, 0, True, "bankrappp
5thcir", "bnkrappp5thcir", "bankr5thcir", "bnkr5thcir", "bap5cir", "bapcca5th", "bapcca5", "bapca5", "bapca5th", "bapcir5", "bapfifthcir")
    Set NewCourt = AddCourt(NewCourtGroup, "Bankruptcy Appellate Panel for the Sixth Circuit", "B.A.P. 6th Cir.", 1979, 0, True, "bankrappp
6thcir", "bnkrappp6thcir", "bankr6thcir", "bnkr6thcir", "bap6cir", "bapcca6th", "bapcca6", "bapca6", "bapca6th", "bapcir6", "bapsixthcir")
    Set NewCourt = AddCourt(NewCourtGroup, "Bankruptcy Appellate Panel for the Seventh Circuit", "B.A.P. 7th Cir.", 1979, 0, True, "bankrap
pp7thcir", "bnkrappp7thcir", "bankr7thcir", "bnkr7thcir", "bap7cir", "bapcca7th", "bapcca7", "bapca7", "bapca7th", "bapcir7", "bapseventhci
r")
    Set NewCourt = AddCourt(NewCourtGroup, "Bankruptcy Appellate Panel for the Eighth Circuit", "B.A.P. 8th Cir.", 1979, 0, True, "bankrapp
p8thcir", "bnkrappp8thcir", "bankr8thcir", "bnkr8thcir", "bap8cir", "bapcca8th", "bapcca8", "bapca8", "bapca8th", "bapcir8", "bapeighthcir"
)
    Set NewCourt = AddCourt(NewCourtGroup, "Bankruptcy Appellate Panel for the Ninth Circuit", "B.A.P. 9th Cir.", 1979, 0, True, "bankrappp
9thcir", "bnkrappp9thcir", "bankr9thcir", "bnkr9thcir", "bap9cir", "bapcca9th", "bapcca9", "bapca9", "bapca9th", "bapcir9", "bapninthcir")
    Set NewCourt = AddCourt(NewCourtGroup, "Bankruptcy Appellate Panel for the Tenth Circuit", "B.A.P. 10th Cir.", 1979, 0, True, "bankrapp
p10thcir", "bnkrappp10thcir", "bankr10thcir", "bnkr10thcir", "bap10cir", "bapcca10th", "bapcca10", "bapca10", "bapca10th", "bapcir10", "bap
tenthcir")
    Set NewCourt = AddCourt(NewCourtGroup, "Bankruptcy Appellate Panel for the Eleventh Circuit", "B.A.P. 11th Cir.", 1979, 0, True, "bankr
appp11thcir", "bnkrappp11thcir", "bankr11thcir", "bnkr11thcir", "bap11cir", "bapcca11th", "bapcca11", "bapca11", "bapca11th", "bapcir11", "
bapeleventhcir")
    Set NewCourt = AddCourt(NewCourtGroup, "Bankruptcy Appellate Panel for the D.C. Circuit", "B.A.P. D.C. Cir.", 1979, 0, True, "bankrappp
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dccir", "bnkrapppdccir", "bankrdccir", "bnkrdccir", "bapccadc", "bapcirdc", "bapdistrictofcolumbiacir")
    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "Judicial Panel on Multidistrict Litigation")
    Set NewCourt = AddCourt(NewCourtGroup, "Judicial Panel on Multidistrict Litigation", "J.P.M.L.", 1968, 0, True)
    Set NewCourt = AddCourt(NewCourtGroup, "Special Court, Regional Rail Reorganization Act", "Regional Rail Reorg. Ct.", 1973, 0, True)
    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "Tax Court")
    Set NewCourt = AddCourt(NewCourtGroup, "Tax Court", "T.C.", 1942, 0, True, "taxct")
    Set NewCourt = AddCourt(NewCourtGroup, "Board of Tax Appeals", "B.T.A.", 1924, 1942, True, "bdtaxapp", "boardtxapp")
    NewCourtGroup.NonParallelReporters.Add 1
    NewCourtGroup.NonParallelReporters.Add 2

    Set NewCourtGroup = AddCourtGroup(NewJur, "United States Court of Veterans Appeals")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Court of Veterans Appeals", "Vet. App.", 1988, 0, True, "vetctapp", "vetappct")
    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "United States Court of Appeals for the Armed Forces")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Court of Appeals for the Armed Forces", "C.A.A.F.", 1975, 0, True, "ctapparmedforces", "ct
appaf", "ctapparmedf", "appctarmedforces", "appctaf")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Court of Military Appeals", "C.M.A.", 1951, 1975, True, "ctmilapp", "ctmilitaryapp")
    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    Set NewCourtGroup = AddCourtGroup(NewJur, "Courts of Military Review")
    Set NewCourt = AddCourt(NewCourtGroup, "Courts of Military Review", "A.C.M.R.", 0, 0, True)
    Set NewCourt = AddCourt(NewCourtGroup, "Courts of Military Review", "A.F.C.M.R.", 0, 0, True)
    Set NewCourt = AddCourt(NewCourtGroup, "Courts of Military Review", "C.G.C.M.R.", 0, 0, True)
    Set NewCourt = AddCourt(NewCourtGroup, "Courts of Military Review", "N-M.C.M.R.", 0, 0, True)
    Set NewCourt = AddCourt(NewCourtGroup, "Boards of Review", "A.B.R.", 0, 0, True)
    NewCourtGroup.NonParallelReporters.Add 1
    NewCourtGroup.NonParallelReporters.Add 2

End Sub

Private Sub AddFederalOldCircuitCourts()

    Dim NewCourt As cCourt
    Dim NewCourtGroup As cCourtGroup
    Dim bcCourt As cCourt
    Dim strFullName As String

    Set NewCourtGroup = AddCourtGroup(mbcJurisdictions("Federal"), "Circuit Courts")

    For Each bcCourt In mbcJurisdictions("Federal").Courts
    If bcCourt.CourtGroup.FullName = "District Courts" Then
        strFullName = "U.S. Circuit Court" & Right$(bcCourt.FullName, Len(bcCourt.FullName) - 19)
        Set NewCourt = AddCourt(NewCourtGroup, strFullName, "C.C." & bcCourt.AbrvName, 0, 1912, True)
    End If
    Next bcCourt
    NewCourtGroup.NonParallelReporters.Add 1

End Sub

Private Sub AddAla()

    Dim NewJur As cJurisdiction
    Dim NewCourtGroup As cCourtGroup
    Dim NewCourt As cCourt

    Set NewJur = AddJurisdiction("Alabama", "Ala.", "al")

    Set NewCourtGroup = AddCourtGroup(NewJur, "Supreme Court")
    Set NewCourt = AddCourt(NewCourtGroup, "Alabama Supreme Court", "", 1840, 0, False, "suprct", "supct", "sct")

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "Court of Civil Appeals")
    Set NewCourt = AddCourt(NewCourtGroup, "Alabama Court of Civil Appeals", "Civ. App.", 1969, 0, False, "appciv")
    Set NewCourt = AddCourt(NewCourtGroup, "Alabama Court of Criminal Appeals", "Crim. App.", 1969, 0, False, "appcrim")
    Set NewCourt = AddCourt(NewCourtGroup, "Alabama Court of Appeals", "Ct. App.", 1910, 1968, False, "appct", "app")

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

End Sub

Private Sub AddAlaska()

    Dim NewJur As cJurisdiction
    Dim NewCourtGroup As cCourtGroup
    Dim NewCourt As cCourt


    Set NewJur = AddJurisdiction("Alaska", "Alaska", "ak")

    Set NewCourtGroup = AddCourtGroup(NewJur, "Supreme Court")
    Set NewCourt = AddCourt(NewCourtGroup, "Alaska Supreme Court", "", 1960, 0, False, "suprct", "supct", "sct")
    NewCourtGroup.NonParallelReporters.Add 2

    Set NewCourtGroup = AddCourtGroup(NewJur, "Court of Appeals")
    Set NewCourt = AddCourt(NewCourtGroup, "Alaska Court of Appeals", "Ct. App.", 1980, 0, False, "appct", "app")
    NewCourtGroup.NonParallelReporters.Add 2

    Set NewCourtGroup = AddCourtGroup(NewJur, "District Courts of Alaska")
    Set NewCourt = AddCourt(NewCourtGroup, "District Courts of Alaska", "D. Alaska", 1884, 1959, True, "dal")
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    NewCourtGroup.ParallelReporters.Add 2
    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 3

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1
    NewCourtGroup.NonParallelReporters.Add 3

    Set NewCourtGroup = AddCourtGroup(NewJur, "United States District Courts")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Courts for California", "D. Cal.", 1867, 1884, True)
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Courts for Oregon", "D. Or.", 1867, 1884, True)
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Courts of Washington", "D. Wash.", 1867, 1884, True)

    NewCourtGroup.ParallelReporters.Add 2
    NewCourtGroup.ParallelReporters.Add 3

    NewCourtGroup.NonParallelReporters.Add 1
    NewCourtGroup.NonParallelReporters.Add 2

End Sub

Private Sub AddAriz()

    Dim NewJur As cJurisdiction
    Dim NewCourtGroup As cCourtGroup
    Dim NewCourt As cCourt

    Set NewJur = AddJurisdiction("Arizona", "Ariz.", "az")

    Set NewCourtGroup = AddCourtGroup(NewJur, "Supreme Court")
    Set NewCourt = AddCourt(NewCourtGroup, "Arizona Supreme Court", "", 1866, 0, False, "suprct", "supct", "sct")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "Court of Appeals")
    Set NewCourt = AddCourt(NewCourtGroup, "Arizona Court of Appeals", "Ct. App.", 1965, 0, False, "appct", "app")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

End Sub

Private Sub AddArk()

    Dim NewJur As cJurisdiction
    Dim NewCourtGroup As cCourtGroup
    Dim NewCourt As cCourt

    Set NewJur = AddJurisdiction("Arkansas", "Ark.", "ar")

    Set NewCourtGroup = AddCourtGroup(NewJur, "Supreme Court")
    Set NewCourt = AddCourt(NewCourtGroup, "Arkansas Supreme Court", "", 1837, 0, False, "suprct", "supct", "sct")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "Court of Appeals")
    Set NewCourt = AddCourt(NewCourtGroup, "Arkansas Court of Appeals", "Ct. App.", 1979, 0, False, "appct", "app")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

End Sub

Private Sub AddCal()

    Dim NewJur As cJurisdiction
    Dim NewCourtGroup As cCourtGroup
    Dim NewCourt As cCourt

    Set NewJur = AddJurisdiction("California", "Cal.", "ca")

    Set NewCourtGroup = AddCourtGroup(NewJur, "Supreme Court")
    Set NewCourt = AddCourt(NewCourtGroup, "California Supreme Court", "", 1850, 0, False, "suprct", "supct", "sct")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2
    NewCourtGroup.ParallelReporters.Add 3

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1
    NewCourtGroup.NonParallelReporters.Add 3
    NewCourtGroup.NonParallelReporters.Add 4

    Set NewCourtGroup = AddCourtGroup(NewJur, "Court of Appeal")
    Set NewCourt = AddCourt(NewCourtGroup, "California Court of Appeals", "Ct. App.", 1905, 0, False, "appct", "app")
    Set NewCourt = AddCourt(NewCourtGroup, "California District Court of Appeal", "Dist. Ct. App.", 1905, 0, False, "distappct")
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    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 3

    NewCourtGroup.NonParallelReporters.Add 3
    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "Appellate Departments of the Superior Court")
    Set NewCourt = AddCourt(NewCourtGroup, "California Appellate Departments of the Superior Court", "App. Dep't Super. Ct.", 1929, 0, Fals
e)

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 3

    NewCourtGroup.NonParallelReporters.Add 3
    NewCourtGroup.NonParallelReporters.Add 1

End Sub

Private Sub AddColo()

    Dim NewJur As cJurisdiction
    Dim NewCourtGroup As cCourtGroup
    Dim NewCourt As cCourt

    Set NewJur = AddJurisdiction("Colorado", "Colo.", "co")

    Set NewCourtGroup = AddCourtGroup(NewJur, "Supreme Court")
    Set NewCourt = AddCourt(NewCourtGroup, "Colorado Supreme Court", "", 1864, 0, False, "suprct", "supct", "sct")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1
    NewCourtGroup.NonParallelReporters.Add 3

    Set NewCourtGroup = AddCourtGroup(NewJur, "Court of Appeals")
    Set NewCourt = AddCourt(NewCourtGroup, "Colorado Court of Appeals", "Ct. App.", 1891, 0, False, "appct", "app")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1
    NewCourtGroup.NonParallelReporters.Add 3

End Sub

Private Sub AddConn()

    Dim NewJur As cJurisdiction
    Dim NewCourtGroup As cCourtGroup
    Dim NewCourt As cCourt

    Set NewJur = AddJurisdiction("Connecticut", "Conn.", "ct")

    Set NewCourtGroup = AddCourtGroup(NewJur, "Supreme Court")
    Set NewCourt = AddCourt(NewCourtGroup, "Connecticut Supreme Court", "", 1789, 0, False, "suprct", "supct", "sct")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "Appellate Court")
    Set NewCourt = AddCourt(NewCourtGroup, "Connecticut Appellate Court", "App. Ct.", 1983, 0, False, "ctapp", "app")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "Superior Court")
    Set NewCourt = AddCourt(NewCourtGroup, "Connecticut Superior Court", "Super. Ct.", 1935, 0, False, "supct")
    Set NewCourt = AddCourt(NewCourtGroup, "Connecticut Court of Common Pleas", "C.P.", 1935, 0, False)

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1
    NewCourtGroup.NonParallelReporters.Add 3

    Set NewCourtGroup = AddCourtGroup(NewJur, "Circuit Court")
    Set NewCourt = AddCourt(NewCourtGroup, "Connecticut Circuit Court", "Cir. Ct.", 1961, 0, False)

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

End Sub

Private Sub AddDel()

    Dim NewJur As cJurisdiction
    Dim NewCourtGroup As cCourtGroup
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    Dim NewCourt As cCourt

    Set NewJur = AddJurisdiction("Delaware", "Del.", "de")

    Set NewCourtGroup = AddCourtGroup(NewJur, "Supreme Court")
    Set NewCourt = AddCourt(NewCourtGroup, "Delaware Supreme Court", "", 1792, 0, False, "suprct", "supct", "sct")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "Court of Chancery")
    Set NewCourt = AddCourt(NewCourtGroup, "Delaware Court of Chancery", "Ch.", 1814, 0, False)

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "Superior Court")
    Set NewCourt = AddCourt(NewCourtGroup, "Delaware Superior Court", "Super. Ct.", 1951, 0, False)
    Set NewCourt = AddCourt(NewCourtGroup, "Delaware Superior Court and Orphans' Court", "Super. Ct. & Orphans' Ct.", 1951, 0, False)

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "Family Court")
    Set NewCourt = AddCourt(NewCourtGroup, "Delaware Family Court", "Fam. Ct.", 1977, 0, False)
    NewCourtGroup.NonParallelReporters.Add 2

End Sub

Private Sub AddDC()

    Dim NewJur As cJurisdiction
    Dim NewCourtGroup As cCourtGroup
    Dim NewCourt As cCourt

    Set NewJur = AddJurisdiction("District of Columbia", "D.C.")

    Set NewCourtGroup = AddCourtGroup(NewJur, "Court of Appeals")
    Set NewCourt = AddCourt(NewCourtGroup, "District of Columbia Court of Appeals", "", 1943, 0, False, "ctapp", "app", "appct", "app")
    Set NewCourt = AddCourt(NewCourtGroup, "District of Columbia Municipal Court of Appeals", "", 1943, 0, False, "munctapp", "munappct")
    NewCourtGroup.NonParallelReporters.Add 2

    Set NewCourtGroup = AddCourtGroup(NewJur, "United States Court of Appeals for the District of Columbia")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. Court of Appeals for the District of Coumbia Circuit", "Cir.", 0, 0, False, "cca", "cir",
"ca")
    Set NewCourt = AddCourt(NewCourtGroup, "Supreme Court of the District of Columbia", "", 1841, 1942, False)

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 3

End Sub

Private Sub AddFla()

    Dim NewJur As cJurisdiction
    Dim NewCourtGroup As cCourtGroup
    Dim NewCourt As cCourt

    Set NewJur = AddJurisdiction("Florida", "Fla.", "fl")

    Set NewCourtGroup = AddCourtGroup(NewJur, "Supreme Court")
    Set NewCourt = AddCourt(NewCourtGroup, "Florida Supreme Court", "", 1846, 0, False, "suprct", "supct", "sct")
    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1
    NewCourtGroup.NonParallelReporters.Add 3

    Set NewCourtGroup = AddCourtGroup(NewJur, "District Court of Appeal")
    Set NewCourt = AddCourt(NewCourtGroup, "Florida District Court of Appeal", "Dist. Ct. App.", 1957, 0, False, "distappct")

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 3

    Set NewCourtGroup = AddCourtGroup(NewJur, "Circuit Court")
    Set NewCourt = AddCourt(NewCourtGroup, "Florida Circuit Court", "Cir. Ct.", 0, 0, False)
    Set NewCourt = AddCourt(NewCourtGroup, "Florida County Court", "County Ct.", 0, 0, False)
    Set NewCourt = AddCourt(NewCourtGroup, "Florida Public Service Commission", "P.S.C.", 0, 0, False)

    NewCourtGroup.NonParallelReporters.Add 3
    NewCourtGroup.NonParallelReporters.Add 4

End Sub

Private Sub AddGa()

    Dim NewJur As cJurisdiction
    Dim NewCourtGroup As cCourtGroup
    Dim NewCourt As cCourt

    Set NewJur = AddJurisdiction("Georgia", "Ga.")
```

```
    Set NewCourtGroup = AddCourtGroup(NewJur, "Supreme Court")
    Set NewCourt = AddCourt(NewCourtGroup, "Georgia Supreme Court", "", 1846, 0, False, "suprct", "supct", "sct")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "Court of Appeals")
    Set NewCourt = AddCourt(NewCourtGroup, "Georgia Court of Appeals", "Ct. App.", 1907, 0, False, "appct", "app")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

End Sub

Private Sub AddHaw()

    Dim NewJur As cJurisdiction
    Dim NewCourtGroup As cCourtGroup
    Dim NewCourt As cCourt

    Set NewJur = AddJurisdiction("Hawaii", "Haw.", "hi")

    Set NewCourtGroup = AddCourtGroup(NewJur, "Supreme Court")
    Set NewCourt = AddCourt(NewCourtGroup, "Hawaii Supreme Court", "", 1847, 0, False, "suprct", "supct", "sct")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "Intermediate Court of Appeals")
    Set NewCourt = AddCourt(NewCourtGroup, "Hawaii Intermediate Court of Appeals", "Ct. App.", 1980, 0, False, "appct", "app")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

End Sub

Private Sub AddIdaho()

    Dim NewJur As cJurisdiction
    Dim NewCourtGroup As cCourtGroup
    Dim NewCourt As cCourt

    Set NewJur = AddJurisdiction("Idaho", "Idaho", "id")

    Set NewCourtGroup = AddCourtGroup(NewJur, "Supreme Court")
    Set NewCourt = AddCourt(NewCourtGroup, "Idaho Supreme Court", "", 1866, 0, False, "suprct", "supct", "sct")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "Court of Appeals")
    Set NewCourt = AddCourt(NewCourtGroup, "Idaho Court of Appeals", "Ct. App.", 1982, 0, False, "appct", "app")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

End Sub

Private Sub AddIll()

    Dim NewJur As cJurisdiction
    Dim NewCourtGroup As cCourtGroup
    Dim NewCourt As cCourt

    Set NewJur = AddJurisdiction("Illinois", "Ill.", "il")

    Set NewCourtGroup = AddCourtGroup(NewJur, "Supreme Court")
    Set NewCourt = AddCourt(NewCourtGroup, "Illinois Supreme Court", "", 1819, 0, False, "suprct", "supct", "sct")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2
    NewCourtGroup.ParallelReporters.Add 3

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "Appellate Court")
    Set NewCourt = AddCourt(NewCourtGroup, "Illinois Appellate Court", "App. Ct.", 1877, 0, False, "ctapp", "app")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2
    NewCourtGroup.ParallelReporters.Add 3
```

```
    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "Court of Claims")
    Set NewCourt = AddCourt(NewCourtGroup, "Illinois Court of Claims", "Ct. Cl.", 1889, 0, False)
    NewCourtGroup.NonParallelReporters.Add 1

End Sub

Private Sub AddInd()

    Dim NewJur As cJurisdiction
    Dim NewCourtGroup As cCourtGroup
    Dim NewCourt As cCourt

    Set NewJur = AddJurisdiction("Indiana", "Ind.", "in")

    Set NewCourtGroup = AddCourtGroup(NewJur, "Supreme Court")
    Set NewCourt = AddCourt(NewCourtGroup, "Indiana Supreme Court", "", 1817, 0, False, "suprct", "supct", "sct")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "Court of Appeals")
    Set NewCourt = AddCourt(NewCourtGroup, "Indiana Court of Appeals", "Ct. App.", 1890, 0, False, "appct", "app")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

End Sub

Private Sub AddIowa()

    Dim NewJur As cJurisdiction
    Dim NewCourtGroup As cCourtGroup
    Dim NewCourt As cCourt

    Set NewJur = AddJurisdiction("Iowa", "Iowa", "ia")

    Set NewCourtGroup = AddCourtGroup(NewJur, "Supreme Court")
    Set NewCourt = AddCourt(NewCourtGroup, "Iowa Supreme Court", "", 1855, 0, False, "suprct", "supct", "sct")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "Court of Appeals")
    Set NewCourt = AddCourt(NewCourtGroup, "Iowa Court of Appeals", "Ct. App.", 1977, 0, False, "appct", "app")
    NewCourtGroup.NonParallelReporters.Add 2

End Sub

Private Sub AddKan()

    Dim NewJur As cJurisdiction
    Dim NewCourtGroup As cCourtGroup
    Dim NewCourt As cCourt

    Set NewJur = AddJurisdiction("Kansas", "Kan.", "ks")

    Set NewCourtGroup = AddCourtGroup(NewJur, "Supreme Court")
    Set NewCourt = AddCourt(NewCourtGroup, "Kansas Supreme Court", "", 1858, 0, False, "suprct", "supct", "sct")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "Court of Appeals")
    Set NewCourt = AddCourt(NewCourtGroup, "Kansas Court of Appeals", "Ct. App.", 1895, 0, False, "appct", "app")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

End Sub

Private Sub AddKy()

    Dim NewJur As cJurisdiction
    Dim NewCourtGroup As cCourtGroup
    Dim NewCourt As cCourt

    Set NewJur = AddJurisdiction("Kentucky", "Ky.")

    Set NewCourtGroup = AddCourtGroup(NewJur, "Supreme Court")
    Set NewCourt = AddCourt(NewCourtGroup, "Kentucky Supreme Court", "", 1976, 0, False)
    Set NewCourt = AddCourt(NewCourtGroup, "Kentucky Court of Appeals", "", 1785, 1975, False, "appct", "app")
```

```
    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1
    NewCourtGroup.NonParallelReporters.Add 3

    Set NewCourtGroup = AddCourtGroup(NewJur, "Court of Appeals")
    Set NewCourt = AddCourt(NewCourtGroup, "Kentucky Court of Appeals", "Ct. App.", 1976, 0, False, "appct", "app")

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 3

End Sub

Private Sub AddLa()

    Dim NewJur As cJurisdiction
    Dim NewCourtGroup As cCourtGroup
    Dim NewCourt As cCourt

    Set NewJur = AddJurisdiction("Louisiana", "La.")

    Set NewCourtGroup = AddCourtGroup(NewJur, "Supreme Court")
    Set NewCourt = AddCourt(NewCourtGroup, "Louisiana Supreme Court", "", 1813, 0, False, "suprct", "supct", "sct")
    Set NewCourt = AddCourt(NewCourtGroup, "Superior Court of Louisiana", "", 1809, 1812, False)
    Set NewCourt = AddCourt(NewCourtGroup, "Superior Court of the Territory of Orleans", "Orleans", 1809, 1812, True)

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "Court of Appeals")
    Set NewCourt = AddCourt(NewCourtGroup, "Louisiana Court of Appeal", "Ct. App.", 1881, 0, False, "appct", "app")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

End Sub

Private Sub AddMe()

    Dim NewJur As cJurisdiction
    Dim NewCourtGroup As cCourtGroup
    Dim NewCourt As cCourt

    Set NewJur = AddJurisdiction("Maine", "Me.")

    Set NewCourtGroup = AddCourtGroup(NewJur, "Supreme Judicial Court")
    Set NewCourt = AddCourt(NewCourtGroup, "Maine Supreme Judicial Court", "", 1820, 0, False, "suprct", "supct", "sct")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

End Sub

Private Sub AddMd()

    Dim NewJur As cJurisdiction
    Dim NewCourtGroup As cCourtGroup
    Dim NewCourt As cCourt

    Set NewJur = AddJurisdiction("Maryland", "Md.")

    Set NewCourtGroup = AddCourtGroup(NewJur, "Court of Appeals")
    Set NewCourt = AddCourt(NewCourtGroup, "Maryland Court of Appeals", "", 1770, 0, False, "appct", "app")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "Court of Special Appeals")
    Set NewCourt = AddCourt(NewCourtGroup, "Maryland Court of Special Appeals", "Ct. Spec. App.", 1967, 0, False)

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

End Sub

Private Sub AddMass()

    Dim NewJur As cJurisdiction
    Dim NewCourtGroup As cCourtGroup
    Dim NewCourt As cCourt

    Set NewJur = AddJurisdiction("Massachusetts", "Mass.", "ma")

    Set NewCourtGroup = AddCourtGroup(NewJur, "Supreme Judicial Court")
```

```
    Set NewCourt = AddCourt(NewCourtGroup, "Massachusetts Supreme Judicial Court", "", 1804, 0, False, "suprct", "supct", "sct")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "Appeals Court")
    Set NewCourt = AddCourt(NewCourtGroup, "Massachusetts Appeals Court", "App. Ct.", 1972, 0, False, "ctapp", "app")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "District Court")
    Set NewCourt = AddCourt(NewCourtGroup, "Massachusetts District Court", "Dist. Ct.", 1936, 0, False)

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 3

End Sub

Private Sub AddMich()

    Dim NewJur As cJurisdiction
    Dim NewCourtGroup As cCourtGroup
    Dim NewCourt As cCourt

    Set NewJur = AddJurisdiction("Michigan", "Mich.", "mi")

    Set NewCourtGroup = AddCourtGroup(NewJur, "Supreme Court")
    Set NewCourt = AddCourt(NewCourtGroup, "Michigan Supreme Court", "", 1805, 0, False, "suprct", "supct", "sct")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "Court of Appeals")
    Set NewCourt = AddCourt(NewCourtGroup, "Michigan Court of Appeals", "Ct. App.", 1965, 0, False, "appct", "app")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "Court of Claims")
    Set NewCourt = AddCourt(NewCourtGroup, "Michigan Court of Claims", "Ct. Cl.", 1938, 1942, False)
    NewCourtGroup.NonParallelReporters.Add 1

End Sub

Private Sub AddMinn()

    Dim NewJur As cJurisdiction
    Dim NewCourtGroup As cCourtGroup
    Dim NewCourt As cCourt

    Set NewJur = AddJurisdiction("Minnesota", "Minn.", "mn")

    Set NewCourtGroup = AddCourtGroup(NewJur, "Supreme Court")
    Set NewCourt = AddCourt(NewCourtGroup, "Minnesota Supreme Court", "", 1851, 0, False, "suprct", "supct", "sct")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "Court of Appeals")
    Set NewCourt = AddCourt(NewCourtGroup, "Minnesota Court of Appeals", "Ct. App.", 1983, 0, False, "appct", "app")
    NewCourtGroup.NonParallelReporters.Add 2

End Sub

Private Sub AddMiss()

    Dim NewJur As cJurisdiction
    Dim NewCourtGroup As cCourtGroup
    Dim NewCourt As cCourt

    Set NewJur = AddJurisdiction("Mississippi", "Miss.", "ms")

    Set NewCourtGroup = AddCourtGroup(NewJur, "Supreme Court")
    Set NewCourt = AddCourt(NewCourtGroup, "Mississippi Supreme Court", "", 1818, 0, False, "suprct", "supct", "sct")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1
    NewCourtGroup.NonParallelReporters.Add 3

End Sub

Private Sub AddMo()
```

```
    Dim NewJur As cJurisdiction
    Dim NewCourtGroup As cCourtGroup
    Dim NewCourt As cCourt

    Set NewJur = AddJurisdiction("Missouri", "Mo.", "mo")

    Set NewCourtGroup = AddCourtGroup(NewJur, "Supreme Court")
    Set NewCourt = AddCourt(NewCourtGroup, "Missouri Supreme Court", "", 1821, 0, False, "suprct", "supct", "sct")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "Court of Appeals")
    Set NewCourt = AddCourt(NewCourtGroup, "Missouri Court of Appeals", "Ct. App.", 1876, 0, False, "appct", "app")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

End Sub

Private Sub AddMont()

    Dim NewJur As cJurisdiction
    Dim NewCourtGroup As cCourtGroup
    Dim NewCourt As cCourt

    Set NewJur = AddJurisdiction("Montana", "Mont.", "mt")

    Set NewCourtGroup = AddCourtGroup(NewJur, "Supreme Court")
    Set NewCourt = AddCourt(NewCourtGroup, "Montana Supreme Court", "", 1868, 0, False, "suprct", "supct", "sct")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1
    NewCourtGroup.NonParallelReporters.Add 3

End Sub

Private Sub AddNeb()

    Dim NewJur As cJurisdiction
    Dim NewCourtGroup As cCourtGroup
    Dim NewCourt As cCourt

    Set NewJur = AddJurisdiction("Nebraska", "Neb.", "ne")

    Set NewCourtGroup = AddCourtGroup(NewJur, "Supreme Court")
    Set NewCourt = AddCourt(NewCourtGroup, "Nebraska Supreme Court", "", 1860, 0, False, "suprct", "supct", "sct")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "Court of Appeals")
    Set NewCourt = AddCourt(NewCourtGroup, "Nebraska Court of Appeals", "Ct. App.", 1992, 0, False, "appct", "app")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

End Sub

Private Sub AddNev()

    Dim NewJur As cJurisdiction
    Dim NewCourtGroup As cCourtGroup
    Dim NewCourt As cCourt

    Set NewJur = AddJurisdiction("Nevada", "Nev.", "nv")

    Set NewCourtGroup = AddCourtGroup(NewJur, "Supreme Court")
    Set NewCourt = AddCourt(NewCourtGroup, "Nevada Supreme Court", "", 1865, 0, False, "suprct", "supct", "sct")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

End Sub

Private Sub AddNH()

    Dim NewJur As cJurisdiction
    Dim NewCourtGroup As cCourtGroup
    Dim NewCourt As cCourt

    Set NewJur = AddJurisdiction("New Hampshire", "N.H.", "nh")
```

```
    Set NewCourtGroup = AddCourtGroup(NewJur, "Supreme Court")
    Set NewCourt = AddCourt(NewCourtGroup, "New Hampshire Supreme Court", "", 1816, 0, False, "suprct", "supct", "sct")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

End Sub

Private Sub AddNJ()

    Dim NewJur As cJurisdiction
    Dim NewCourtGroup As cCourtGroup
    Dim NewCourt As cCourt

    Set NewJur = AddJurisdiction("New Jersey", "N.J.")

    Set NewCourtGroup = AddCourtGroup(NewJur, "Supreme Court")
    Set NewCourt = AddCourt(NewCourtGroup, "New Jersey Supreme Court", "", 1790, 0, False)

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "Superior Court")
    Set NewCourt = AddCourt(NewCourtGroup, "New Jersey Superior Court", "Super. Ct. App. Div.", 1790, 0, False)
    Set NewCourt = AddCourt(NewCourtGroup, "New Jersey Superior Court", "Super. Ct. Ch. Div.", 1790, 0, False)
    Set NewCourt = AddCourt(NewCourtGroup, "New Jersey Superior Court", "Super. Ct. Law Div.", 1790, 0, False)
    Set NewCourt = AddCourt(NewCourtGroup, "New Jersey Court of Chancery", "Ch.", 1790, 0, False)
    Set NewCourt = AddCourt(NewCourtGroup, "New Jersey Supreme Court", "Sup. Ct.", 1790, 0, False, "suprct", "supct", "sct")
    Set NewCourt = AddCourt(NewCourtGroup, "New Jersey Perogative Court", "Perog. Ct.", 1790, 0, False)

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "County Court")
    Set NewCourt = AddCourt(NewCourtGroup, "New Jersey County Court", "County Ct.", 1790, 0, False)

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "Tax Court")
    Set NewCourt = AddCourt(NewCourtGroup, "New Jersey Tax Court", "Tax Ct.", 1979, 0, False)
    NewCourtGroup.NonParallelReporters.Add 1

End Sub

Private Sub AddNM()

    Dim NewJur As cJurisdiction
    Dim NewCourtGroup As cCourtGroup
    Dim NewCourt As cCourt

    Set NewJur = AddJurisdiction("New Mexico", "N.M.")

    Set NewCourtGroup = AddCourtGroup(NewJur, "Supreme Court")
    Set NewCourt = AddCourt(NewCourtGroup, "New Mexico Supreme Court", "", 1883, 0, False, "suprct", "supct", "sct")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "Court of Appeals")
    Set NewCourt = AddCourt(NewCourtGroup, "New Mexico Court of Appeals", "Ct. App.", 1967, 0, False, "appct", "app")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

End Sub

Private Sub AddNY()

    Dim NewJur As cJurisdiction
    Dim NewCourtGroup As cCourtGroup
    Dim NewCourt As cCourt

    Set NewJur = AddJurisdiction("New York", "N.Y.")

    Set NewCourtGroup = AddCourtGroup(NewJur, "Court of Appeals")
    Set NewCourt = AddCourt(NewCourtGroup, "New York Court of Appeals", "", 1847, 0, False, "ctapp", "app", "appct", "app")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2
    NewCourtGroup.ParallelReporters.Add 3
```

```
    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1
    NewCourtGroup.NonParallelReporters.Add 3

    Set NewCourtGroup = AddCourtGroup(NewJur, "Court for the Correction of Errors")
    Set NewCourt = AddCourt(NewCourtGroup, "New York Court for the Correction of Errors", "", 1791, 1847, False)
    Set NewCourt = AddCourt(NewCourtGroup, "New York Supreme Court of Judicature", "Sup. Ct.", 1791, 1847, False, "suprct", "supct", "sct")
    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "Court of Chancery")
    Set NewCourt = AddCourt(NewCourtGroup, "New York Court of Chancery", "Ch.", 1814, 1847, False)
    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "Supreme Court, Appellate Division")
    Set NewCourt = AddCourt(NewCourtGroup, "New York Supreme Court, Appellate Division", "App. Div.", 1847, 0, False, "sctappdiv", "supctap
pdiv")

    NewCourtGroup.ParallelReporters.Add 3
    NewCourtGroup.ParallelReporters.Add 4

    NewCourtGroup.NonParallelReporters.Add 4
    NewCourtGroup.NonParallelReporters.Add 3

    Set NewCourtGroup = AddCourtGroup(NewJur, "Other lower courts")
    Set NewCourt = AddCourt(NewCourtGroup, "New York other lower courts", "App. Term.", 1888, 0, False)
    Set NewCourt = AddCourt(NewCourtGroup, "New York other lower courts", "Sup. Ct.", 1888, 0, False)
    Set NewCourt = AddCourt(NewCourtGroup, "New York other lower courts", "Ct. Cl.", 1888, 0, False)
    Set NewCourt = AddCourt(NewCourtGroup, "New York other lower courts", "Civ. Ct.", 1888, 0, False)
    Set NewCourt = AddCourt(NewCourtGroup, "New York other lower courts", "Crim. Ct.", 1888, 0, False)
    Set NewCourt = AddCourt(NewCourtGroup, "New York other lower courts", "Fam. Ct.", 1888, 0, False)

    NewCourtGroup.ParallelReporters.Add 3
    NewCourtGroup.ParallelReporters.Add 4

    NewCourtGroup.NonParallelReporters.Add 4
    NewCourtGroup.NonParallelReporters.Add 3

    Set NewCourtGroup = AddCourtGroup(NewJur, "Other lower courts before 1888")
    Set NewCourt = AddCourt(NewCourtGroup, "New York other lower courts before 1888", "App. Term.", 1844, 1887, False)
    Set NewCourt = AddCourt(NewCourtGroup, "New York other lower courts before 1888", "Sup. Ct.", 1844, 1887, False)
    Set NewCourt = AddCourt(NewCourtGroup, "New York other lower courts before 1888", "Ct. Cl.", 1844, 1887, False)
    Set NewCourt = AddCourt(NewCourtGroup, "New York other lower courts before 1888", "Civ. Ct.", 1844, 1887, False)
    Set NewCourt = AddCourt(NewCourtGroup, "New York other lower courts before 1888", "Crim. Ct.", 1844, 1887, False)
    Set NewCourt = AddCourt(NewCourtGroup, "New York other lower courts before 1888", "Fam. Ct.", 1844, 1887, False)
    NewCourtGroup.NonParallelReporters.Add 3

End Sub

Private Sub AddNC()

    Dim NewJur As cJurisdiction
    Dim NewCourtGroup As cCourtGroup
    Dim NewCourt As cCourt

    Set NewJur = AddJurisdiction("North Carolina", "N.C.", "ncarolina")

    Set NewCourtGroup = AddCourtGroup(NewJur, "Supreme Court")
    Set NewCourt = AddCourt(NewCourtGroup, "North Carolina Supreme Court", "", 1778, 0, False, "suprct", "supct", "sct")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "Court of Appeals")
    Set NewCourt = AddCourt(NewCourtGroup, "North Carolina Court of Appeals", "Ct. App.", 1968, 0, False, "appct", "app")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

End Sub

Private Sub AddND()

    Dim NewJur As cJurisdiction
    Dim NewCourtGroup As cCourtGroup
    Dim NewCourt As cCourt

    Set NewJur = AddJurisdiction("North Dakota", "N.D.", "ndakota")

    Set NewCourtGroup = AddCourtGroup(NewJur, "Supreme Court")
    Set NewCourt = AddCourt(NewCourtGroup, "North Dakota Supreme Court", "", 1890, 0, False, "suprct", "supct", "sct")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "Supreme Court of Dakota")
    Set NewCourt = AddCourt(NewCourtGroup, "Supreme Court of Dakota", "Dakota", 1867, 1889, True)

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1
```

```
    Set NewCourtGroup = AddCourtGroup(NewJur, "Court of Appeals of North Dakota")
    Set NewCourt = AddCourt(NewCourtGroup, "Court of Appeals of North Dakota", "Ct. App.", 1987, 0, False, "appct", "app")
    NewCourtGroup.NonParallelReporters.Add 2

End Sub

Private Sub AddOhio()

    Dim NewJur As cJurisdiction
    Dim NewCourtGroup As cCourtGroup
    Dim NewCourt As cCourt

    Set NewJur = AddJurisdiction("Ohio", "Ohio", "oh")

    Set NewCourtGroup = AddCourtGroup(NewJur, "Supreme Court")
    Set NewCourt = AddCourt(NewCourtGroup, "Ohio Supreme Court", "", 1821, 0, False, "suprct", "supct", "sct")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "Court of Appeals")
    Set NewCourt = AddCourt(NewCourtGroup, "Ohio Court of Appeals", "Ct. App.", 1913, 0, False, "appct", "app")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "Other law courts")
    Set NewCourt = AddCourt(NewCourtGroup, "Other law courts", "", 1840, 0, False)

    NewCourtGroup.NonParallelReporters.Add 1
    NewCourtGroup.NonParallelReporters.Add 3
    NewCourtGroup.NonParallelReporters.Add 4
    NewCourtGroup.NonParallelReporters.Add 5
    NewCourtGroup.NonParallelReporters.Add 6
    NewCourtGroup.NonParallelReporters.Add 7
    NewCourtGroup.NonParallelReporters.Add 8
    NewCourtGroup.NonParallelReporters.Add 9
    NewCourtGroup.NonParallelReporters.Add 10
    NewCourtGroup.NonParallelReporters.Add 11
    NewCourtGroup.NonParallelReporters.Add 12
    NewCourtGroup.NonParallelReporters.Add 13

End Sub

Private Sub AddOkla()

    Dim NewJur As cJurisdiction
    Dim NewCourtGroup As cCourtGroup
    Dim NewCourt As cCourt

    Set NewJur = AddJurisdiction("Oklahoma", "Okla.", "ok")

    Set NewCourtGroup = AddCourtGroup(NewJur, "Supreme Court")
    Set NewCourt = AddCourt(NewCourtGroup, "Oklahoma Supreme Court", "", 1890, 0, False, "suprct", "supct", "sct")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "Court of Appeals of Indian Territory")
    Set NewCourt = AddCourt(NewCourtGroup, "Court of Appeals of Indian Territory", "Indian Terr.", 1896, 1907, True, "indterr")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "Court of Criminal Appeals")
    Set NewCourt = AddCourt(NewCourtGroup, "Oklahoma Court of Criminal Appeals", "Crim. App.", 1959, 0, False, "ctcrimapp")
    Set NewCourt = AddCourt(NewCourtGroup, "Oklahoma Criminal Court of Appeals", "Crim. App.", 1908, 1958, False, "ctcrimapp")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "Court of Appeals")
    Set NewCourt = AddCourt(NewCourtGroup, "Oklahoma Court of Appeals", "Ct. App.", 1971, 0, False, "appct", "app")

    NewCourtGroup.NonParallelReporters.Add 2

End Sub

Private Sub AddOr()

    Dim NewJur As cJurisdiction
    Dim NewCourtGroup As cCourtGroup
    Dim NewCourt As cCourt

    Set NewJur = AddJurisdiction("Oregon", "Or.")
```

```
    Set NewCourtGroup = AddCourtGroup(NewJur, "Supreme Court")
    Set NewCourt = AddCourt(NewCourtGroup, "Oregon Supreme Court", "", 1853, 0, False, "suprct", "supct", "sct")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "Court of Appeals")
    Set NewCourt = AddCourt(NewCourtGroup, "Oregon Court of Appeals", "Ct. App.", 1969, 0, False, "appct", "app")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "Tax Court")
    Set NewCourt = AddCourt(NewCourtGroup, "Oregon Tax Court", "T.C.", 1962, 0, False, "taxct", "taxcourt")

    NewCourtGroup.NonParallelReporters.Add 1

End Sub

Private Sub AddPa()

    Dim NewJur As cJurisdiction
    Dim NewCourtGroup As cCourtGroup
    Dim NewCourt As cCourt

    Set NewJur = AddJurisdiction("Pennsylvania", "Pa.", "penn")

    Set NewCourtGroup = AddCourtGroup(NewJur, "Supreme Court")
    Set NewCourt = AddCourt(NewCourtGroup, "Pennsylvania Supreme Court", "", 1754, 0, False, "suprct", "supct", "sct")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "Superior Court")
    Set NewCourt = AddCourt(NewCourtGroup, "Pennsylvania Superior Court", "Super. Ct.", 1895, 0, False)

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "Commonwealth Court")
    Set NewCourt = AddCourt(NewCourtGroup, "Pennsylvania Commonwealth Court", "Commw. Ct.", 1970, 0, False)

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "Other lower courts")
    Set NewCourt = AddCourt(NewCourtGroup, "Pennsylvania other lower courts", "", 1870, 0, False)

    NewCourtGroup.NonParallelReporters.Add 1
    NewCourtGroup.NonParallelReporters.Add 3

End Sub

Private Sub AddRI()

    Dim NewJur As cJurisdiction
    Dim NewCourtGroup As cCourtGroup
    Dim NewCourt As cCourt

    Set NewJur = AddJurisdiction("Rhode Island", "R.I.")

    Set NewCourtGroup = AddCourtGroup(NewJur, "Supreme Court")
    Set NewCourt = AddCourt(NewCourtGroup, "Rhode Island Supreme Court", "", 1828, 0, False, "suprct", "supct", "sct")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

End Sub

Private Sub AddSC()

    Dim NewJur As cJurisdiction
    Dim NewCourtGroup As cCourtGroup
    Dim NewCourt As cCourt

    Set NewJur = AddJurisdiction("South Carolina", "S.C.", "scarolina")

    Set NewCourtGroup = AddCourtGroup(NewJur, "Supreme Court")
    Set NewCourt = AddCourt(NewCourtGroup, "South Carolina Supreme Court", "", 1868, 0, False, "suprct", "supct", "sct")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2
```

```
    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "Court of Appeals")
    Set NewCourt = AddCourt(NewCourtGroup, "South Carolina Court of Appeals", "Ct. App.", 1983, 0, False, "appct", "app")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "Courts of law")
    Set NewCourt = AddCourt(NewCourtGroup, "South Carolina Courts of law", "L.", 1783, 1868, False, "law")
    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "Courts of equity")
    Set NewCourt = AddCourt(NewCourtGroup, "South Carolina courts of equity", "Eq.", 1784, 1868, False, "equity")
    NewCourtGroup.NonParallelReporters.Add 1

End Sub

Private Sub AddSD()

    Dim NewJur As cJurisdiction
    Dim NewCourtGroup As cCourtGroup
    Dim NewCourt As cCourt

    Set NewJur = AddJurisdiction("South Dakota", "S.D.", "sdakota")

    Set NewCourtGroup = AddCourtGroup(NewJur, "Supreme Court")
    Set NewCourt = AddCourt(NewCourtGroup, "South Dakota Supreme Court", "", 1890, 0, False, "suprct", "supct", "sct")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "Supreme Court of Dakota")
    Set NewCourt = AddCourt(NewCourtGroup, "Supreme Court of Dakota", "Dakota", 1867, 1889, True)

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

End Sub

Private Sub AddTenn()

    Dim NewJur As cJurisdiction
    Dim NewCourtGroup As cCourtGroup
    Dim NewCourt As cCourt

    Set NewJur = AddJurisdiction("Tennessee", "Tenn.", "tn")

    Set NewCourtGroup = AddCourtGroup(NewJur, "Supreme Court")
    Set NewCourt = AddCourt(NewCourtGroup, "Tennessee Supreme Court", "", 1791, 0, False, "suprct", "supct", "sct")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "Court of Appeals")
    Set NewCourt = AddCourt(NewCourtGroup, "Tennessee Court of Appeals", "Ct. App.", 1925, 0, False, "appct", "app")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "Court of Criminal Appeals")
    Set NewCourt = AddCourt(NewCourtGroup, "Tennessee Court of Criminal Appeals", "Crim. App.", 1967, 0, False, "ctcrimapp")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

End Sub

Private Sub AddTex()

    Dim NewJur As cJurisdiction
    Dim NewCourtGroup As cCourtGroup
    Dim NewCourt As cCourt

    Set NewJur = AddJurisdiction("Texas", "Tex.", "tx")

    Set NewCourtGroup = AddCourtGroup(NewJur, "Supreme Court")
    Set NewCourt = AddCourt(NewCourtGroup, "Texas Supreme Court", "", 1840, 0, False, "suprct", "supct", "sct")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2
```

```
    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "Court of Criminal Appeals")
    Set NewCourt = AddCourt(NewCourtGroup, "Texas Court of Criminal Appeals", "Crim. App.", 1891, 0, False, "ctcrimapp")
    Set NewCourt = AddCourt(NewCourtGroup, "Texas Court of Appeals", "Ct. App.", 1876, 0, False, "appct", "app")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "Commission of Appeals")
    Set NewCourt = AddCourt(NewCourtGroup, "Texas Commission of Appeals", "Comm'n App.", 1879, 0, False)

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "Courts of Appeals")
    Set NewCourt = AddCourt(NewCourtGroup, "Texas Courts of Appeals", "App.", 1892, 0, False)

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

End Sub

Private Sub AddUtah()

    Dim NewJur As cJurisdiction
    Dim NewCourtGroup As cCourtGroup
    Dim NewCourt As cCourt

    Set NewJur = AddJurisdiction("Utah", "Utah", "ut")

    Set NewCourtGroup = AddCourtGroup(NewJur, "Supreme Court")
    Set NewCourt = AddCourt(NewCourtGroup, "Utah Supreme Court", "", 1851, 0, False, "suprct", "supct", "sct")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "Court of Appeals")
    Set NewCourt = AddCourt(NewCourtGroup, "Utah Court of Appeals", "Ct. App.", 1987, 0, False, "appct", "app")

    NewCourtGroup.NonParallelReporters.Add 2

End Sub

Private Sub AddVt()

    Dim NewJur As cJurisdiction
    Dim NewCourtGroup As cCourtGroup
    Dim NewCourt As cCourt

    Set NewJur = AddJurisdiction("Vermont", "Vt.")

    Set NewCourtGroup = AddCourtGroup(NewJur, "Supreme Court")
    Set NewCourt = AddCourt(NewCourtGroup, "Vermont Supreme Court", "", 1789, 0, False, "suprct", "supct", "sct")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

End Sub

Private Sub AddVa()

    Dim NewJur As cJurisdiction
    Dim NewCourtGroup As cCourtGroup
    Dim NewCourt As cCourt

    Set NewJur = AddJurisdiction("Virginia", "Va.")

    Set NewCourtGroup = AddCourtGroup(NewJur, "Supreme Court")
    Set NewCourt = AddCourt(NewCourtGroup, "Virginia Supreme Court", "", 1779, 0, False, "suprct", "supct", "sct")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "Court of Appeals")
    Set NewCourt = AddCourt(NewCourtGroup, "Virginia Court of Appeals", "Ct. App.", 1985, 0, False, "appct", "app")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
```

```
    NewCourtGroup.NonParallelReporters.Add 1

End Sub

Private Sub AddWash()

    Dim NewJur As cJurisdiction
    Dim NewCourtGroup As cCourtGroup
    Dim NewCourt As cCourt

    Set NewJur = AddJurisdiction("Washington", "Wash.", "wn", "wa")

    Set NewCourtGroup = AddCourtGroup(NewJur, "Supreme Court")
    Set NewCourt = AddCourt(NewCourtGroup, "Washington Supreme Court", "", 1854, 0, False, "suprct", "supct", "sct")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "Court of Appeals")
    Set NewCourt = AddCourt(NewCourtGroup, "Washington Court of Appeals", "Ct. App.", 1969, 0, False, "appct", "app")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

End Sub

Private Sub AddWVa()

    Dim NewJur As cJurisdiction
    Dim NewCourtGroup As cCourtGroup
    Dim NewCourt As cCourt

    Set NewJur = AddJurisdiction("West Virginia", "W. Va.", "wv", "wvirginia")

    Set NewCourtGroup = AddCourtGroup(NewJur, "Supreme Court of Appeals")
    Set NewCourt = AddCourt(NewCourtGroup, "West Virginia Supreme Court of Appeals", "", 1864, 0, False, "suprct", "supct", "sct", "sctapp"
)

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

End Sub

Private Sub AddWis()

    Dim NewJur As cJurisdiction
    Dim NewCourtGroup As cCourtGroup
    Dim NewCourt As cCourt

    Set NewJur = AddJurisdiction("Wisconsin", "Wis.", "wi")

    Set NewCourtGroup = AddCourtGroup(NewJur, "Supreme Court")
    Set NewCourt = AddCourt(NewCourtGroup, "Wisconsin Supreme Court", "", 1839, 0, False, "suprct", "supct", "sct")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "Court of Appeals")
    Set NewCourt = AddCourt(NewCourtGroup, "Wisconsin Court of Appeals", "Ct. App.", 1978, 0, False, "appct", "app")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

End Sub

Private Sub AddWyo()

    Dim NewJur As cJurisdiction
    Dim NewCourtGroup As cCourtGroup
    Dim NewCourt As cCourt

    Set NewJur = AddJurisdiction("Wyoming", "Wyo.", "wy")

    Set NewCourtGroup = AddCourtGroup(NewJur, "Supreme Court")
    Set NewCourt = AddCourt(NewCourtGroup, "Wyoming Supreme Court", "", 1870, 0, False, "suprct", "supct", "sct")

    NewCourtGroup.ParallelReporters.Add 1
    NewCourtGroup.ParallelReporters.Add 2

    NewCourtGroup.NonParallelReporters.Add 2
    NewCourtGroup.NonParallelReporters.Add 1

End Sub

Private Sub AddAmSamoa()
```

```
    Dim NewJur As cJurisdiction
    Dim NewCourtGroup As cCourtGroup
    Dim NewCourt As cCourt

    Set NewJur = AddJurisdiction("American Samoa", "Am. Samoa")

    Set NewCourtGroup = AddCourtGroup(NewJur, "High Court of American Samoa")
    Set NewCourt = AddCourt(NewCourtGroup, "High Court of American Samoa", "", 1900, 0, False, "highct", "highcourt")
    NewCourtGroup.NonParallelReporters.Add 1

End Sub

Private Sub AddCZ()

    Dim NewJur As cJurisdiction
    Dim NewCourtGroup As cCourtGroup
    Dim NewCourt As cCourt

    Set NewJur = AddJurisdiction("Canal Zone", "C.Z.")

    Set NewCourtGroup = AddCourtGroup(NewJur, "United States District Court for the Eastern District of Louisiana")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court for the Eastern District of Louisiana", "E.D. La.", 1982, 0, True)
    NewCourtGroup.NonParallelReporters.Add 3

    Set NewCourtGroup = AddCourtGroup(NewJur, "United States District Court for the District of the Canal Zone")
    Set NewCourt = AddCourt(NewCourtGroup, "U.S. District Court for the District of the Canal Zone", "D.C.Z.", 1846, 1982, True)
    NewCourtGroup.NonParallelReporters.Add 3

End Sub

Private Sub AddGuam()

    Dim NewJur As cJurisdiction
    Dim NewCourtGroup As cCourtGroup
    Dim NewCourt As cCourt

    Set NewJur = AddJurisdiction("Guam", "Guam")

    Set NewCourtGroup = AddCourtGroup(NewJur, "District Court of Guam, Appellate Division")
    Set NewCourt = AddCourt(NewCourtGroup, "District Court of Guam, Appellate Division", "D. Guam App. Div.", 1951, 0, True)

    NewCourtGroup.NonParallelReporters.Add 3
    NewCourtGroup.NonParallelReporters.Add 4

End Sub

Private Sub AddNavajo()

    Dim NewJur As cJurisdiction
    Dim NewCourtGroup As cCourtGroup
    Dim NewCourt As cCourt

    Set NewJur = AddJurisdiction("Navajo Nation", "Navajo", "navajonat")

    Set NewCourtGroup = AddCourtGroup(NewJur, "Supreme Court")
    Set NewCourt = AddCourt(NewCourtGroup, "Navajo Nation Supreme Court", "", 1969, 0, False, "suprct", "supct", "sct")
    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "District Court")
    Set NewCourt = AddCourt(NewCourtGroup, "Navajo Nation District Court", "D. Ct.", 1969, 0, False, "distct")
    NewCourtGroup.NonParallelReporters.Add 1

End Sub

Private Sub AddNMarI()

    Dim NewJur As cJurisdiction
    Dim NewCourtGroup As cCourtGroup
    Dim NewCourt As cCourt

    Set NewJur = AddJurisdiction("Northern Mariana Islands", "N. Mar. I.", "nmi")

    Set NewCourtGroup = AddCourtGroup(NewJur, "Supreme Court")
    Set NewCourt = AddCourt(NewCourtGroup, "Northern Mariana Islands Supreme Court", "", 1989, 0, False, "suprct", "supct", "sct")
    NewCourtGroup.NonParallelReporters.Add 1

    Set NewCourtGroup = AddCourtGroup(NewJur, "District Court")
    Set NewCourt = AddCourt(NewCourtGroup, "District Court for the Northern Mariana Islands, Trial Division", "D. N. Mar. I.", 1979, 0, Tru
e)
    Set NewCourt = AddCourt(NewCourtGroup, "District Court for the Northern Mariana Islands, Appellate Division", "D. N. Mar. I. App. Div."
, 1979, 0, True)
    Set NewCourt = AddCourt(NewCourtGroup, "Northern Mariana Islands Commonwealth Superior Court", "Commw. Super. Ct.", 1979, 0, False, "su
perct")
    Set NewCourt = AddCourt(NewCourtGroup, "Northern Mariana Islands Commonwealth Trial Court", "Commw. Trial Ct.", 1979, 0, False, "trialc
t")
    NewCourtGroup.NonParallelReporters.Add 1

End Sub

Private Sub AddPR()

    Dim NewJur As cJurisdiction
    Dim NewCourtGroup As cCourtGroup
    Dim NewCourt As cCourt

    Set NewJur = AddJurisdiction("Puerto Rico", "P.R.")

    Set NewCourtGroup = AddCourtGroup(NewJur, "Supreme Court")
    Set NewCourt = AddCourt(NewCourtGroup, "Puerto Rico Supreme Court", "", 1899, 0, False, "suprct", "supct", "sct")

    NewCourtGroup.ParallelReporters.Add 1
```

```
    NewCourtGroup.ParallelReporters.Add 2

End Sub

Private Sub AddVI()

    Dim NewJur As cJurisdiction
    Dim NewCourtGroup As cCourtGroup
    Dim NewCourt As cCourt

    Set NewJur = AddJurisdiction("Virgin Islands", "V.I.")

    Set NewCourtGroup = AddCourtGroup(NewJur, "All courts")
    Set NewCourt = AddCourt(NewCourtGroup, "Virgin Islands, all courts", "", 1917, 0, False)
    NewCourtGroup.NonParallelReporters.Add 1

End Sub



Private Function AddJurisdiction(FullName As String, AbrvName As String, ParamArray Aliases()) As cJurisdiction

    Dim varAliases As Variant


    Set AddJurisdiction = New cJurisdiction
    With AddJurisdiction
        .FullName = FullName
        .AbrvName = AbrvName
    End With

    varAliases = Aliases()
    mbcJurisdictions.Add AddJurisdiction, varAliases

End Function

Private Function AddCourtGroup(ParentJurisdiction As cJurisdiction, ByVal FullName As String) As cCourtGroup

    Set AddCourtGroup = New cCourtGroup
    With AddCourtGroup
        .FullName = FullName
        Set .Parent = ParentJurisdiction
    End With

    ParentJurisdiction.CourtGroups.Add AddCourtGroup, FullName
    mbcJurisdictions.AllCourtGroups.Add AddCourtGroup

End Function

Private Function AddCourt(ByRef CourtGroup As cCourtGroup, ByRef FullName As String, ByRef AbrvName As String, _
ByRef YearStart As Long, ByRef YearEnd As Long, ByRef JurisdictionImplicit As Boolean, ParamArray Aliases()) As cCourt

    Dim varAliases As Variant


    Set AddCourt = New cCourt
    With AddCourt
        .FullName = FullName
        .AbrvName = AbrvName
        .YearStart = YearStart
        .JurisdictionImplicit = JurisdictionImplicit
        If YearEnd > 0 Then .YearEnd = YearEnd Else .YearEnd = 9999
        Set .CourtGroup = CourtGroup
        Set .Parent = CourtGroup.Parent
    End With


    varAliases = Aliases()
    AddCourt.Parent.Courts.Add AddCourt, varAliases
    mbcJurisdictions.AllCourts.Add AddCourt, varAliases

End Function
```

```
Option Explicit

Public Sub BCAutoExec()

    Call InsertMenuItem("Tools", "BlueCheck Options...", "BlueCheckOptions", True)
    Call InsertMenuItem("Tools", "&BlueCheck", "BlueCheck", False)

End Sub

Private Sub InsertMenuItem(MenuName As String, MenuItem As String, OnActionName As String, DividerAfter As Boolean)

    Dim cbmMenuBar As CommandBarPopup
    Dim cbbNewItem As CommandBarButton
    Dim cbbFirstItem As CommandBarButton
    Dim cbcExistingItem As CommandBarControl

    ' If the menu item already exists, then exit the sub.

    Set cbcExistingItem = Word.CommandBars.FindControl(Tag:=MenuItem)
    If Not cbcExistingItem Is Nothing Then Exit Sub

    ' If a divider bar should be added, then set the first item in the menu to a
    ' new group so that a divider will appear before it.

    Set cbmMenuBar = Word.CommandBars("Menu Bar").Controls(MenuName)

    If DividerAfter = True Then
        Set cbbFirstItem = cbmMenuBar.Controls(1)
        cbbFirstItem.BeginGroup = True
    End If

    ' Add the menu item.

    Set cbbNewItem = cbmMenuBar.Controls.Add(Type:=msoControlButton, Before:=1, temporary:=True)
    With cbbNewItem
        .Caption = MenuItem
        .Tag = MenuItem
        .Enabled = True
        .OnAction = OnActionName
    End With

End Sub

Public Sub BCAutoClose()

    Call CloseAllHiddenDocuments
    Call RemoveMenuItem("BlueCheck Options...")
    Call RemoveMenuItem("&BlueCheck")

End Sub

Public Sub CloseAllHiddenDocuments()

    Dim mswDocument As Word.Document

    For Each mswDocument In Word.Documents
        If mswDocument.ActiveWindow.Visible = False Then
            mswDocument.Close wdDoNotSaveChanges
        End If
    Next mswDocument

End Sub

Private Sub RemoveMenuItem(ItemToRemove As String)

    Dim cbcExistingItem As CommandBarControl

    Set cbcExistingItem = CommandBars.FindControl(Tag:=ItemToRemove)
    If Not cbcExistingItem Is Nothing Then
        cbcExistingItem.Delete
    End If

End Sub
```

```
 -- NOTE: "BlueCheck" and "BCWordInterface" must be selected in the References dialog box.

Private mBlueCheck As New cBlueCheckInstance

Public Sub AutoExec()

    Call BCAutoExec

End Sub

Public Sub BlueCheck()

    Call mBlueCheck.Start
    Beep

End Sub

Public Sub BlueCheckOptions()

    Call mBlueCheck.ShowOptions

End Sub
```